

GIBSON BOULEVARD RECONSTRUCTION

SAN MATEO BLVD. TO SAN PEDRO DR.

FEDERAL AID URBAN
PROJECT M-4078(1)

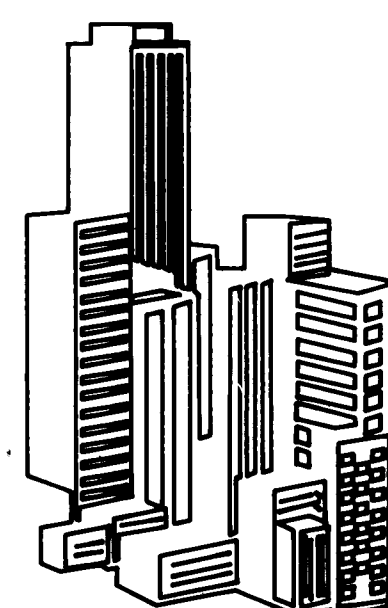
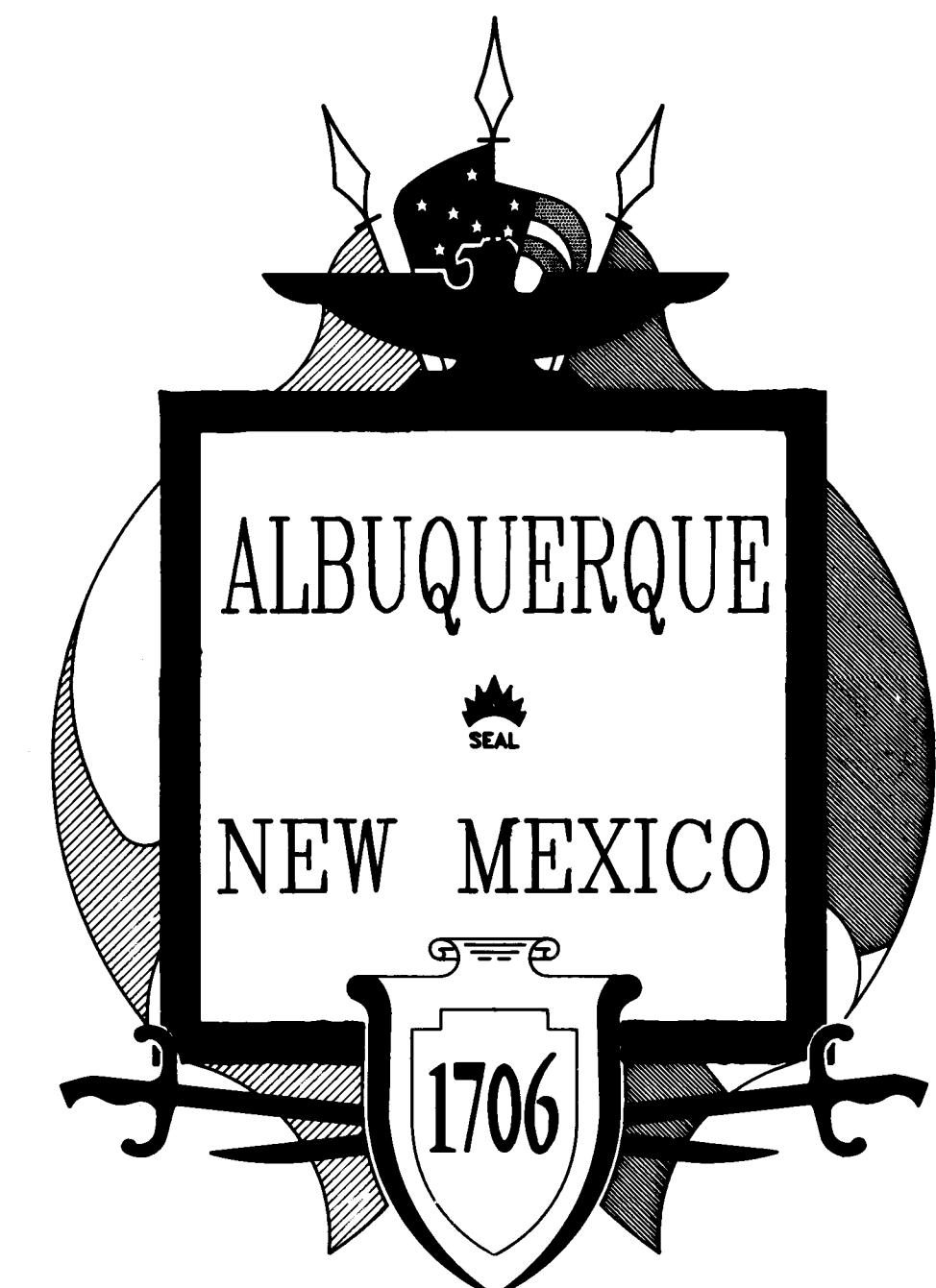
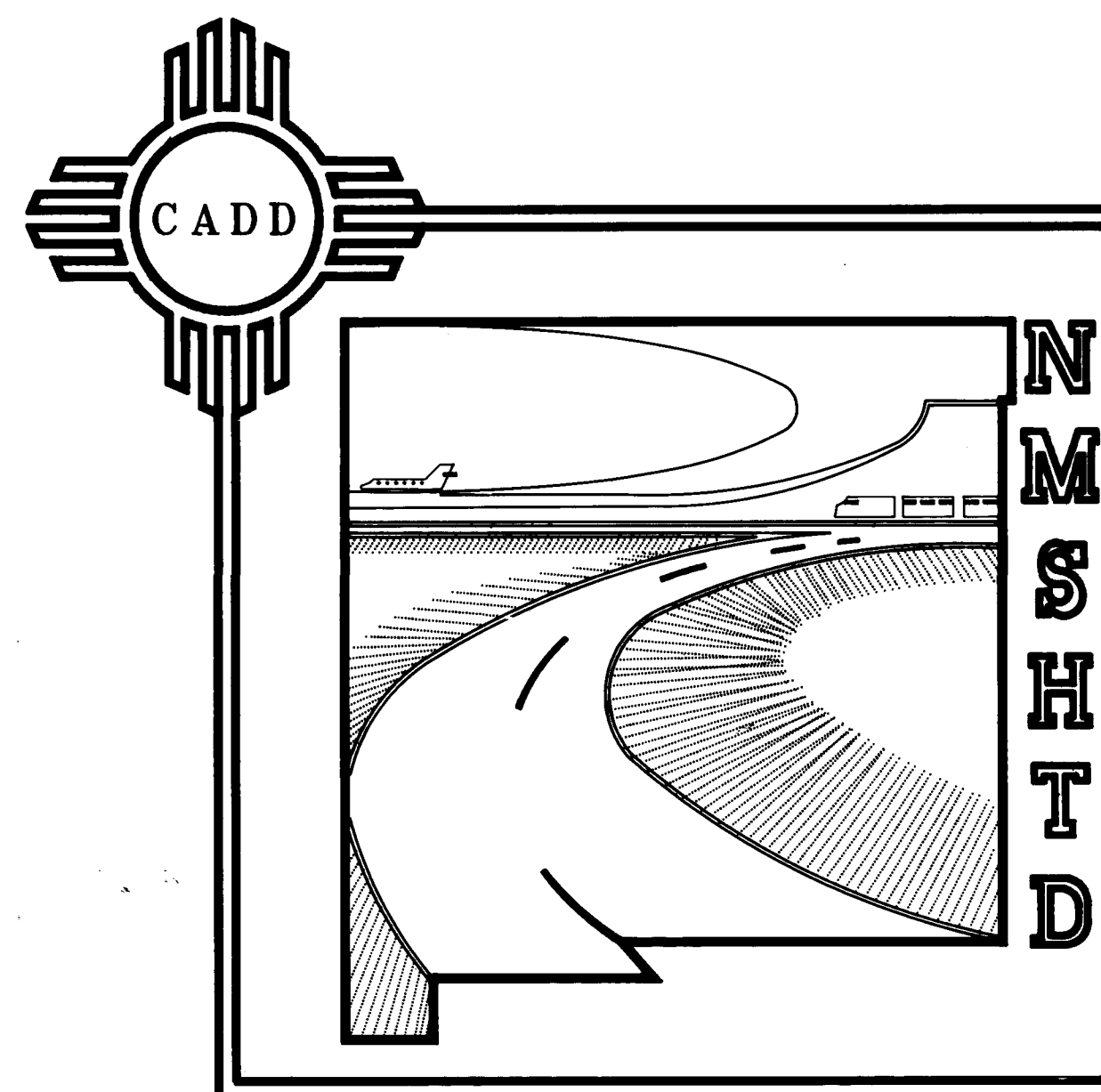
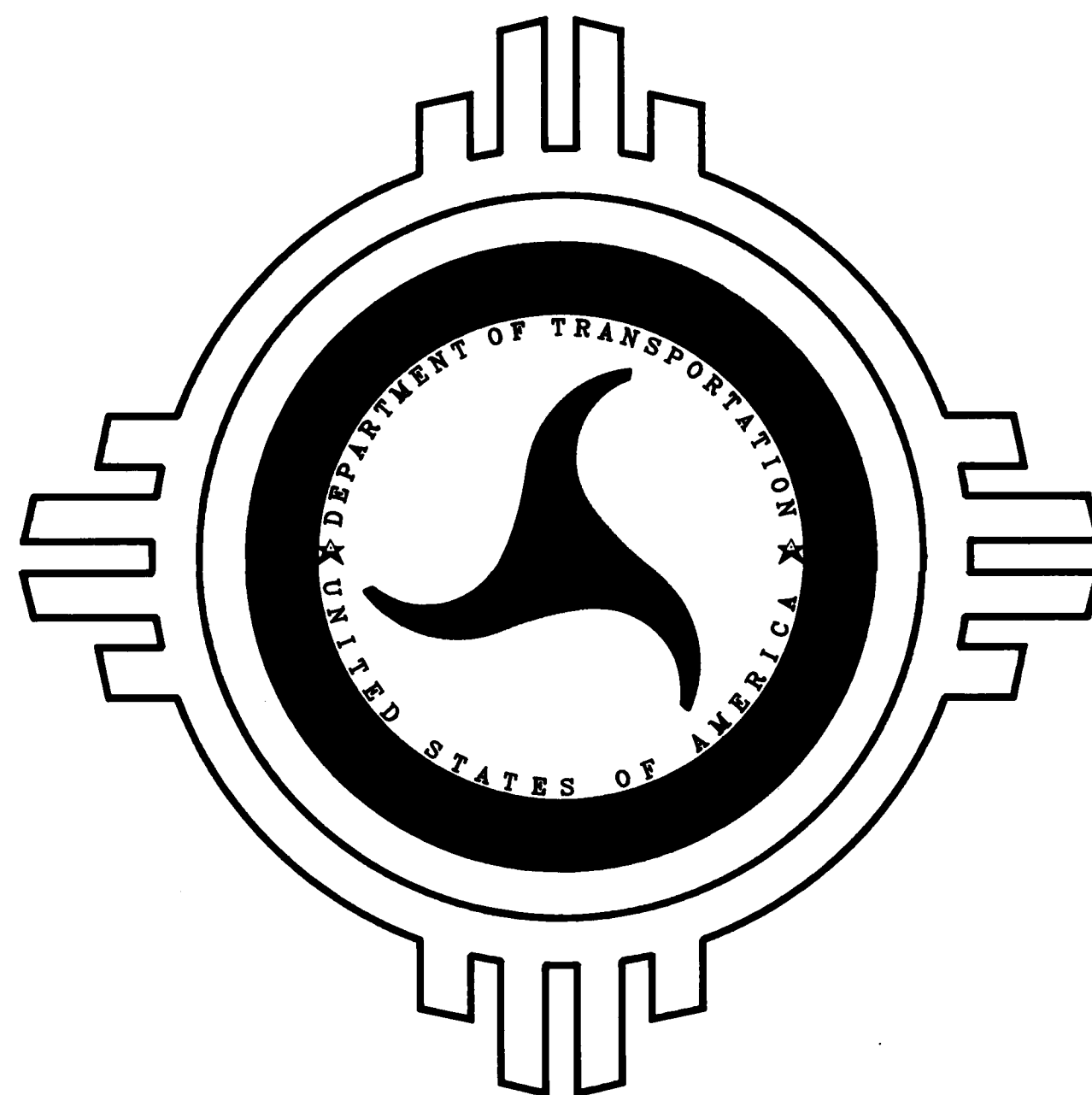
JACKSON ST. TO SAN MATEO BLVD.

CITY OF ALBUQUERQUE
PROJECT NO. 3671

Approved _____ Date _____
DIVISION ADMINISTRATOR

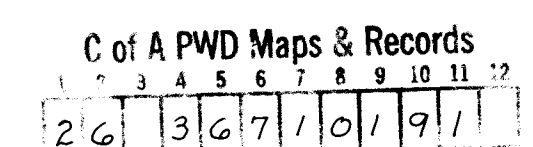
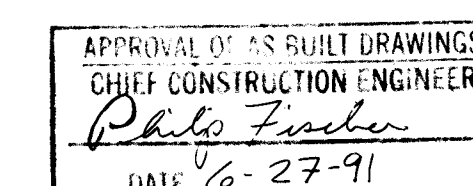
Approved R. S. Rung 9/1/89 Date _____
DESIGN DIVISION DIRECTOR
PE. 5680

Approved Stallan A. Walker Jr. 9/1/89 Date _____
CITY ENGINEER



METRO-TEC ENGINEERING, INC.

1700 Montañõ Road N.W.
Albuquerque, New Mexico 87107
(505) 344-9494



AS-BUILT 05/10/91 MTE

"AS-BUILTS"

SIGNS ON PROFILE



BRIDGE

PIPE CULVERT

BOX CULVERT

VERTICAL CURVE

DATUM LINE
GRADE ELEVATION

6112.7

DATUM LINE
GRADE ELEVATION

6112.17

NONE

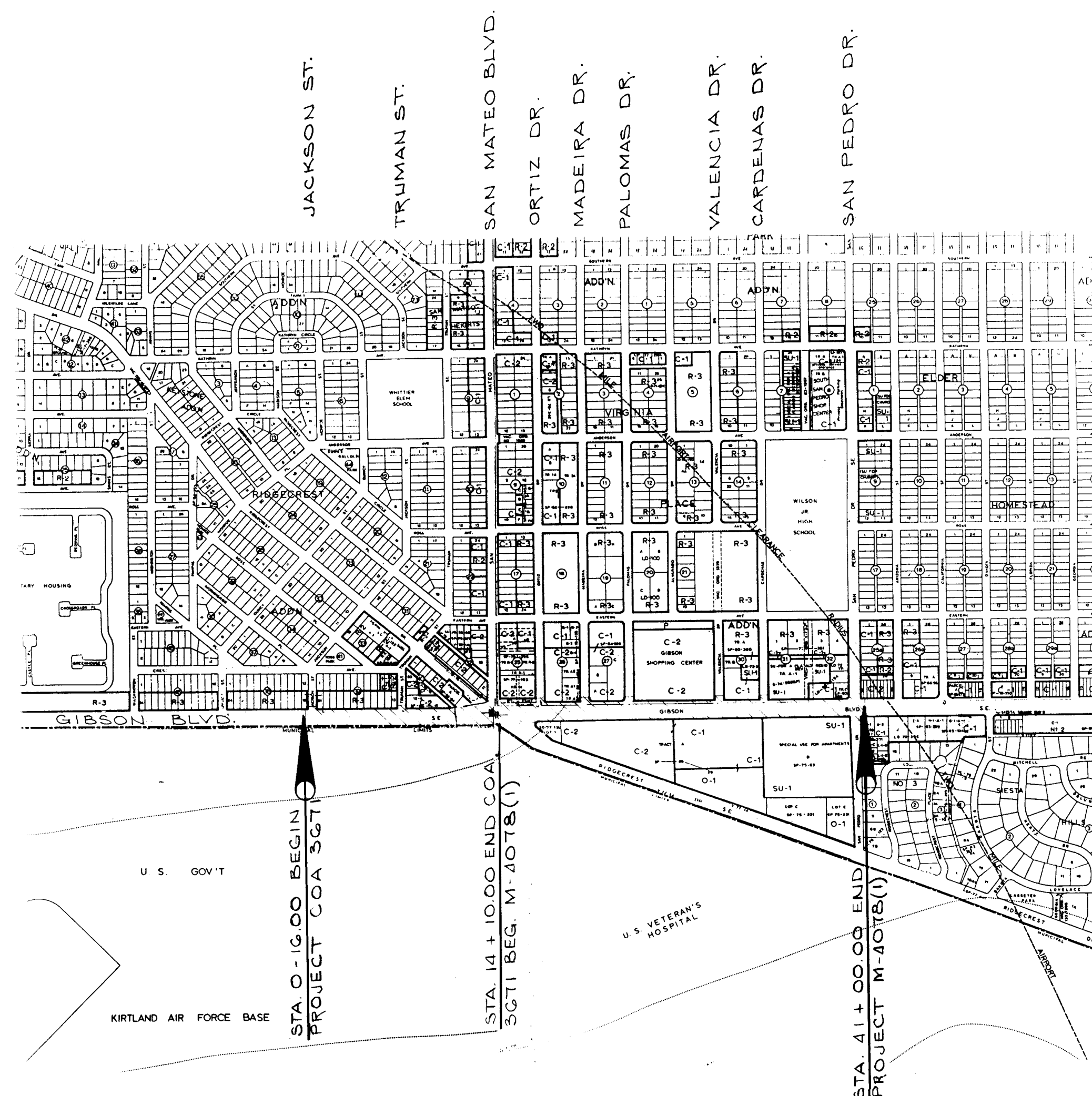
$$\begin{cases} \text{PLAN} \sim 1" = 20' \\ \text{PROFILE} \sim 1" = 20' \text{ (H.) } \& 1" = 5' \text{ (V.)} \\ \text{LAYOUT} \sim 1" = \text{APPROX. } 750' \end{cases}$$

ALBUQUERQUE

LEGEND

THIS CONTRACT -----
BITUMINOUS SURFACED -----
GRAVEL SURFACED -----
GRADED AND DRAINED -----
UNIMPROVED -----
PRIMITIVE -----
CONCRETE SURFACED -----

LENGTH OF PROJECT 0.7795 IN MILES



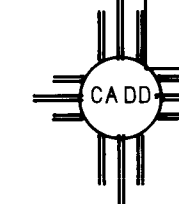
TYPE OF CONSTRUCTION

BASE COURSE
PLANT MIX BITUMINOUS PVMT.
OPEN GRADED FRICTION COURSE
WHEEL CHAIR RAMPS
CONCRETE CURB & GUTTER
CONSTRUCTION SIGNING
STORM DRAIN
SIGNAL CONDUIT
SIGNAL FOUNDATIONS
WATER LINE REPLACEMENT
MISCELLANEOUS CONSTRUCTION

N O T E:

CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED.

F.H.W.A. REGION NO. 6	SHEET NO.
NEW MEXICO PROJECT NO.	
M-4078(1)	1-2



I N D E X O F S H E E T S

[illegible]

3			
2			
1	"AS-BUILT" DRAWING	05/10/91	MT
NO.	DESCRIPTION	DATE	BY

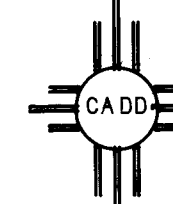
REVISIONS (OR CHANGE NOTICES)

NEW MEXICO
STATE HIGHWAY DEPARTMENT

V I C I N I T Y M A P

THE PLANS WERE DESIGNED AND/OR ASSEMBLED BY:
METRO-TEC ENGINEERING, INC. PHONE NO. (505) 344-
ALBUQUERQUE, NEW MEXICO 3434

N.M.P. NO. M-4078(1) & SHEET NO. 1-2
COA-3671



C of A PWD Maps & Records
 1 2 3 4 5 6 7 8 9 10 11 12
 26 36 71 02 91
"A S - BUILTS"

NO.	D E S C R I P T I O N	REV DATE	SERIAL
1-1	COLOR SHEET		
1-2	PROJECT FRONT SHEET		
1-3	DRAWING SHEETS		
1-4/1-5	SUMMARY OF QUANTITIES SHEET		
1-6	SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND LIST OF INCIDENTALS		
	SUB-TOTAL = 6		
2-1	TYPICAL ROADWAY SECTIONS		
2-2	SURFACING SCHEDULE		
2-3	TEMP. SURFACING, WATERLINE REMOVALS, ETC.		
2-4-2-5	GENERAL NOTES & MISCELLANEOUS QUANTITIES		
2-6	GENERAL NOTES & STRUCTURE QUANTITIES		
2-7	WATER LINE QUANTITIES & SIGNALIZATION SCHEDULE		
2-8	SURFACING P/T SHEET		
2-9-2-13	MISCELLANEOUS AND SPECIAL DRAWINGS		
	SUB-TOTAL = 3		
2-12-2-9	PLAN VIEW OF SIDE SLOPES		
	SUB-TOTAL = 9		
2-12-2-11	CORRECTION DRAWING SHEET		
	SUB-TOTAL = 11		
5-1	STORM DRAIN STRUCTURE PLACEMENT		
	SUB-TOTAL = 1		
6-1 TO 6-6	WATER LINE REPLACEMENT PLAN		
	SUB-TOTAL = 6		

NO.	DESCRIPTION	REV. DATE	SERIAL
	~ N.M.S.H. & T.D. STANDARDS ~		
7-1	CONCRETE WALL BARRIER	12-30-76	CWB-75
7-2	FILL HEIGHTS AND BEDDING DETAILS FOR CONCRETE PIPE CULVERTS	09-09-74	14-1-1-77
7-3	MISCELLANEOUS DETAILS	08-11-30	PWG-2001
7-4	DESIGN LOADS FOR SQUARE TUBING POSTS	05-14-31	SN-75-1
7-5	ALUMINUM PANEL SIGN DETAILS ~ SHT. 1 OF 2	04-25-83	SN-75-2
7-6	ALUMINUM PANEL SIGN DETAILS ~ SHT. 2 OF 2	04-25-83	SN-75-2
7-7	BARRICADES AND CHANNELIZATION DEVICES	09-20-88	SN-77-9
7-8	DESIGN LOADS FOR BREAKAWAY FLANGED CHANNEL POSTS	06-30-85	TB&C-217
7-9	DESIGN DETAILS FOR BREAKAWAY FLANGED CHANNEL POSTS AND HARDWARE	03-00-90	T-4-003
	~ SHT. 1 OF 2 FULL-DEPTH BREAKAWAY ~		
7-10	MANHOLE TYPE I	08-82	PWG-2003
7-10	MANHOLE FRAME AND COVERS	08-86	PWG-2100
7-11	INTERSECT CONNECTION DETAILS	08-86	PWG-2501
7-11	STEEL PIPE JOINT DETAIL	08-86	PWG-2505
7-11	CONCRETE BLOCK DESIGN	08-86	PWG-2520
7-11	VALVE BOX TYPE 'A'	08-86	PWG-2525
7-11	RING AND COVER FOR VALVE BOX	08-86	PWG-2528
7-11	VALVE STEM EXTENSION NUTS AND SOCKETS	08-86	PWG-2537
7-11	WATER VALVE ANCHORAGE	08-86	PWG-2533
7-12	FIRE HYDRANT INSTALLATION	08-86	PWG-2540
7-12	AIR RELEASE FIRE HYDRANT CONNECTION	09-86	PWG-2344
7-12	SOLO CYL CUTTERS VALVE INSTALLATION DETAILS	08-86	PWG-2557
7-12	CURB AND CUTTER	08-86	PWG-2567
7-12	CONCRETE VALVE CUTTER	08-86	PWG-2560
7-12	OVERPADS	08-86	PWG-2568
7-12	SIDEWALK DETAILS	08-86	PWG-2575
7-13	WHEEL CHAIR RAMP	08-86	PWG-2544
7-13	WHEEL CHAIR RAMP	08-86	PWG-2547
7-13	MAN AND VALVE BOX REGRADING	08-86	PWG-2560
7-13	TYPICAL STREET INTERSECTION PLAN	08-86	PWG-2502
7-13	TRAFFIC SIGNAL MANHOLE TYPE I & II	08-86	PWG-2574
7-13	AIR RELEASE VALVE	08-86	PWG-2590
	SUB-TOTAL = 13		
	PROJECT TOTAL = 59		

[illegible]

3	05-10-91	"AS-BUILT" DRAWING	MTE
NO.	DATE	REMARKS	BY
REVISIONS			

SUMMARY OF QUANTITIES

2	10-16-88	REVISED "SUMMARY OF QUANTITIES"	M.A.
1	9-7-89	REVISED "SUMMARY OF QUANTITIES"	M.A.
NO.	DATE	REMARKS	BY
REVISIONS			

F.H.W.A. Region No.	STATE	COA 3671	SHEET NO.	TOTAL SHEETS
6	NEW MEXICO	M-4078(1)	1-4	

			CITY OF ALBUQUERQUE ~ 3 6 7 1										M-4 0 7 8 (1)										COA-3671 TOTAL		M-4078(1) TOTAL		PROJECT TOTAL	
ITEM NO.	ITEM	UNIT	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
202001	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	LUMP SUM										LUMP SUM										LUMP SUM			LUMP SUM		
202010	REMOVAL OF SURFACING	SQ.YD.	12500		2100								24000										14600			24000		38600
203001	UNCLASSIFIED EXCAVATION	CU.YD.	350										1600										350			1600		2150
203010	BORROW	CU.YD.	700										2100										700			2100		3000
207001	SUBGRADE PREPARATION	SQ.YD.	12500		2100								24000										14600			24000		38600
304001	BASE COURSE	TON	3310		330								6302										330			6302		9342
401002	PLANT MIX BITUMINOUS PAVEMENT - TYPE I, GRADE 'B'	TON	4625		225								8931										4917			8931		13849
401101	60-70 BITUMINOUS MATERIAL	TON	259		13								492										259			492		764
401150	HYDRATED LIME	TON	71		4								135										71			135		210
404001	OPEN GRADED FRICTION COURSE	TON	333										737										333			737		1125
404101	60-70 BITUMINOUS MATERIAL	TON	27										51										27			51		78
404150	HYDRATED LIME	TON	4										8										4			8		12
404200	LIQUID ANTI-STRIPPING AGENT, CONCENTRATE GRADE	TON	0.50										0.50										0.50			0.50		1.00
407012	LIQUID ASPHALT FOR TACK COAT	TON	16										31										16			31		47
408012	LIQUID ASPHALT FOR PRIME COAT	TON	27		5								51										27			51		83
501326	24" REINFORCED CONCRETE PIPE, CLASS III	LIN. FT.																										
501350	48" REINFORCED CONCRETE PIPE, CLASS IV	LIN. FT.																										
504010	REINFORCING BARS, GRADE 40	POUND											68													68		86
509050	STRUCTURAL CONCRETE, CLASS A'	CU.YD.											3.03													3.03		5.34
606403	PRECAST CONCRETE WALL, BARRIER TYPE II	LIN. FT.								170																170		570
606410	RESETTING PRECAST CONCRETE WALL, BARRIER	LIN. FT.								90																90		300
608004	CONCRETE SIDEWALK - 4"	SQ. YD.	30										225													30		225
609058	CONCRETE BARRIER CURB & GUTTER TYPE 'B' - 8" x 30"	LIN. FT.	170										610													170		780
609060	CONCRETE BARRIER CURB & GUTTER TYPE 'D' - 6" x 18"	LIN. FT.	440										400													440		840
609074	CONCRETE VALLEY GUTTER - 6" x 72"	LIN. FT.	70										290													70		360
621001	MOBILIZATION	L.S.	LUMP SUM										LUMP SUM													LUMP SUM		LUMP SUM
623286	DROP INLET SPECIAL DESIGN - TYPE I	EACH																										
623287	DROP INLET SPECIAL DESIGN - TYPE II	EACH																										
623288	DROP INLET SPECIAL DESIGN (MEDIAN)	EACH																										
662049	MANHOLE TYPE 'E' - 6' DIA. OVER 6' TO 10' DEPTH	EACH																										
662050	MANHOLE TYPE 'E' - 6' DIA. OVER 14' TO 18' DEPTH	EACH																										
662113	INTERCONNECT MANHOLE	EACH																										
663024	TRANSITION COUPLING 2 1/4"	EACH																										
663025	TRANSITION COUPLING 6"	EACH																										
663026	TRANSITION COUPLING 8"	EACH																										
663027	TRANSITION COUPLING 12"	EACH																										
663028	TRANSITION COUPLING 20"	EACH																										
663029	CROSS 12" x 8"	EACH																										
663030	CROSS 20" x 12"	EACH																										
663050	TAPPING SADDLE - 8" MAIN	EACH																										
663063	BENDS 6" (22 1/2°)	EACH																										
663065	BENDS 6" (90°)	EACH																										
663067	BENDS 8" (22 1/2°)	EACH																										
663068	REDUCING BEND 12" x 8" (90°)	EACH																										
663069	BENDS 8" (90°)	EACH																										
663070	BENDS 12" (22 1/2°)	EACH																										
663071	BENDS 12" (90°)	EACH																										
663072	BENDS 20" (11 1/4°) W/RESTRAINED JOINTS	EACH																										
663073	BENDS 20" (22 1/2°) W/RESTRAINED JOINTS	EACH																										
663074	BENDS 20" (45°) W/RESTRAINED JOINTS	EACH																										
663077	20" x 6" WYE	EACH																										
663079	REDUCER 6" x 2 1/4"	EACH																										
663081	REDUCER 12" x 6"	EACH																										
663082	REDUCER 12" x 8"	EACH																										
663083	REDUCER 20" x 8" W/RESTRAINED JOINTS	EACH																										
663084	REDUCER 20" x 16"	EACH																										
663085	8" x 6" TEE	EACH																										
663086	8" x 8" TEE	EACH																										
663087	12" x 12" TEE	EACH																										
663088	20" x 6" TEE	EACH																										
663089	20" x 6" TEE W/RESTRAINED JOINTS	EACH																										
663093	20" x 12" TEE	EACH																										
663094	20" x 20" x 20 TEE W/RESTRAINED JOINTS	EACH																										

C of A PWD Maps & Records

1 2 3 4 5 6 7 8 9 10 11 12

"AS-BUILTS"

3	05/10/91	AS-BUILT DRAWING	MTE
NO.	DATE	REMARKS	BY
REVISIONS			

SUMMARY OF QUANTITIES

2	10-16-89	REVISED SUMMARY OF QUANTITIES	M.A.
1	9-7-89	REVISED SUMMARY OF QUANTITIES	M.A.
NO.	DATE	REMARKS	BY
REVISIONS			

F.H.W.A. Region No.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
6	NEW MEXICO	M-4078(1)	1-5	

			CITY OF ALBUQUERQUE ~ 3 6 7 1										M - 4 0 7 8 (1)										COA-3671 TOTAL		W-4078(1) TOTAL		PROJECT TOTAL	
ITEM NO.	ITEM	UNIT	ROADWAY		WATERLINE		CONST. SIGNING		SIGNALIZATION		CONST. ENGINEERING		ROADWAY		CONST. SIGNING		SIGNALIZATION		STORM DRAIN		CONST. ENGINEERING		ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
			ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
663095	CONCRETE BLOCKING	CU. YD.			20																		20				20	
663101	FIRE HYDRANT	EACH			1																		1				1	
663102	REMOVE AND RESET EXISTING FIRE HYDRANT	EACH																							3		3	
663107	8" PLUG	EACH			1																		1				1	
663108	12" PLUG	EACH			3																		3				3	
663295	NON-PRESSURE CONNECTION - 6"	EACH			10																		10				10	
663296	NON-PRESSURE CONNECTION - 8"	EACH			4																		4				4	
663297	NON-PRESSURE CONNECTION - 12"	EACH			1																		1				1	
663298	NON-PRESSURE CONNECTION - 16"	EACH			1																		1				1	
663299	NON-PRESSURE CONNECTION - 20"	EACH			2																		2				2	
663382	DISCONNECT & REMOVE 8" WATERLINE	LIN. FT.			125																		125				125	
663383	DISCONNECT & REMOVE 12" ST. CYLINDER WATERLINE	LIN. FT.			1480																		1480				1480	
663384	DISCONNECT & REMOVE 20" ST. CYLINDER WATERLINE	LIN. FT.			2325																		2325				2325	
663415	GATE VALVE - 6"	EACH			7																		7				7	
663417	GATE VALVE - 8"	EACH			5																		5				5	
663419	GATE VALVE - 12"	EACH			3																		3				3	
663430	BUTTERFLY VALVE - 20"	EACH			3																		3				3	
663456	VALVE BOX WITH COVER TYPE A'	EACH			20																		20				20	
663458	VALVE BOX REMOVE & RETURN	EACH			15																		15				15	
663465	AIR RELEASE VALVE - 2" AND APPURTENANCES	L.S.			LUMP SUM																		LUMP SUM				LUMP SUM	
663493	REMOVE & RETURN EXISTING VALVE	EACH			12																		12				12	
663494	REMOVE EXISTING 12"x6" WYE	EACH			1																		1				1	
663617	POLYVINYL CHLORIDE PIPE - 18"	LIN. FT.																	144						144		144	
663900	WATER SERVICE SINGLE SERVICE CONNECTION TRANSFER	EACH			2																		2				2	
663846	6" WATERLINE	LIN. FT.			70																		70				70	
663848	8" WATERLINE	LIN. FT.			1425																		1425				1425	
663852	12" WATERLINE	LIN. FT.			200																		200				200	
663860	20" WATERLINE	LIN. FT.			2500																		2500				2500	
664175	ADJUST VALVE BOX TO GRADE	EACH	13																				13		19		32	
664180	ADJUST MANHOLE TO GRADE	EACH	3																				3		11		14	
702000	CONSTRUCTION SIGNING	Sq. Ft.					427								347								427		837		1264	
702103	STEEL POST AND BASE POST FOR CONSTRUCTION SIGNING	LIN. FT.					140																140				140	
702145	PORTABLE SIGN SUPPORT	EACH					27								30								27		60		87	
702215	BARRICADE TYPE III - 8'	EACH					8								13								8		13		21	
702335	VERTICAL PANEL BACK TO BACK TYPE	EACH					113								203								113		208		321	
702349	CHANNELIZATION DEVICE (BARRELS) TYPE 'A'	EACH					77								144								77		144		221	
702350	CHANNELIZATION DEVICE (BARRELS) TYPE 'B'	EACH					78								144								78		144		222	
702400	SEQUENTIAL ARROW DISPLAY	EACH					1								1								1		1		2	
704010	REFLECTORIZED PAINTED MARKINGS	LIN. FT.	3950										8200										3950		8200		12150	
704015	ADHESIVE MARKING TAPE FOR CONSTRUCTION ZONES	LIN. FT.					4000								4000								4000		4000		8000	
709030	RIGID ELECTRICAL CONDUIT - 2"	LIN. FT.							1655								2905						1655		2905		4560	
709040	RIGID ELECTRICAL CONDUIT - 3"	LIN. FT.							585								410						585		410		995	
710010	ELECTRICAL PULL BOX	EACH							12								12						12		12		24	
713040	LOOP DETECTOR WIRE	LIN. FT.							350								650						350		650		1000	
713050	LOOP LEAD-IN CABLE	LIN. FT.															30								30		30	
713060	DETECTOR SAW CUT	LIN. FT.							350								650						350		650		1000	
718002	REFLECTIVE PLASTIC PAVEMENT STRIPE-8"-60 MIL.	LIN. FT.							425								555						425		555		980	
718004	REFLECTIVE PLASTIC PAVEMENT STRIPE-12"-60 MIL.	LIN. FT.							135								190						135		190		325	
718010	REFLECTORIZED COMBINATION ARROW (THRU AND RIGHT)	EACH							1								1						1		1		2	
718015	REFLECTORIZED RIGHT ARROW	EACH							1														1		1		1	
718020	REFLECTORIZED LEFT ARROW	EACH							1								1						1		1		2	
718021	REFLECTORIZED THRU ARROW	EACH							2								2						2		2		4	
718025	REFLECTORIZED WORD (ONLY)	EACH							1														1		1		1	
870001	CONSTRUCTION STAKING BY CONTRACTOR	L.S.									LUMP SUM												LUMP SUM		LUMP SUM		LUMP SUM	

C of A PWD Maps & Records

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"AS-BUILTS"

C of A PWD Maps & Records
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26 26 27 28 29 30

"AS-BUILTS"

SPECIAL PROVISIONS

MODIFYING NEW MEXICO STATE HIGHWAY AND TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION

MODIFYING SECTION 101 - ABBREVIATIONS AND DEFINITIONS (8-12-37)

MODIFYING SECTION 101 - DEFINITIONS AND TERMS (CITY)

MODIFYING SECTION 102 - BIDDING REQUIREMENTS AND CONDITIONS (CITY)

MODIFYING SECTION 103 - AWARD AND EXECUTION OF CONTRACT (CITY)

MODIFYING SECTION 104 - SCOPE OF WORK (CITY)

MODIFYING SECTION 105 - CONTROL OF WORK (CITY)

MODIFYING SECTION 106 - CONTROL OF MATERIALS (6-24-88)

MODIFYING SECTION 106 - PROSECUTION AND PROGRESS (6-23-34)

MODIFYING SECTION 304 - BASE COURSE AND SUBBASE (11-2-84)

MODIFYING SECTION 401 - PLANT MIX BITUMINOUS PAVEMENT (11-14-88)

MODIFYING SECTION 402 - BITUMINOUS MATERIALS (4-3-37)

MODIFYING SECTION 501 - PIPE CULVERTS AND UNDERDRAINS (10-14-37)

MODIFYING SECTION 501 - METAL OR CONCRETE BARRIER (7-14-37)

FOR SURFACE EXCAVATION AND REINFORCEMENT (4-19-38)

MODIFYING SECTION 602 - MANHOLES (12-14-33)

MODIFYING SECTION 701 - TRAFFIC SIGNS AND SIGN STRUCTURES (4-5-88)

MODIFYING SECTION 702 - TRAFFIC CONTROL DEVICES FOR DETOURS (1-31-37)

SUPPLEMENTAL SPECIFICATIONS

MODIFYING NEW MEXICO STATE HIGHWAY AND TRANSPORTATION STANDARD SPECIFICATIONS

MODIFYING SECTION 101 - ABBREVIATIONS AND DEFINITIONS (CITY)

MODIFYING SECTION 106 - FILLING REQUIREMENTS & CONDITIONS (1-14-37)

MODIFYING SECTION 104 - SCOPE OF WORK (4-24-37)

MODIFYING SECTION 105 - CONTROL OF WORK (2-1-84)

MODIFYING SECTION 106 - CONTROL OF MATERIALS (11-12-37)

MODIFYING SECTION 107 - LEGAL RELATIONS & PROPER LIABILITY TO PUBLIC (4-22-34)

MODIFYING SECTION 108 - PROSECUTION AND PROGRESS (1-14-37)

MODIFYING SECTION 109 - MEASUREMENT AND PAYMENT (12-23-88)

MODIFYING SECTION 304 - EXCAVATION, BORINGS, EMBANKMENT (6-24-88)

MODIFYING SECTION 304 - BASE COURSE & SUBBASE (11-2-84)

MODIFYING SECTION 401 - PLANT MIX BITUMINOUS PAVEMENT (9-22-33)

MODIFYING SECTION 402 - BITUMINOUS MATERIAL (9-31-33)

MODIFYING SECTION 404 - OPEN GRAVEL FRICTION COURSE (9-22-33)

MODIFYING SECTION 405 - PRIME COAT (2-2-37)

MODIFYING SECTION 501 - PIPE CULVERTS AND UNDERDRAINS (6-24-33)

MODIFYING SECTION 501 - PORTLAND CEMENT CONCRETE (7-24-37)

MODIFYING SECTION 501 - METAL AND CONCRETE BARRIER (8-3-37)

MODIFYING SECTION 504 - SIDEWALKS, DRIVEWAYS AND CONCRETE MEDIAN PAVEMENT (CITY)

MODIFYING SECTION 603 - CURB AND GUTTER (CITY)

MODIFYING SECTION 601 - MOBILIZATION (9-19-34)

MODIFYING SECTION 623 - DROP INLETS (1-17-33)

MODIFYING SECTION 701 - TRAFFIC SIGNS & SIGN STRUCTURES (9-3-37)

MODIFYING SECTION 702 - TRAFFIC CONTROL DEVICES FOR DETOURS (6-1-37)

MODIFYING SECTION 704 - PAVEMENT MARKINGS (5-3-37)

MODIFYING SECTION 713 - DETAILING (5-9-33)

MODIFYING SECTION 718 - REFLECTORIZED PLASTIC PAVEMENT SYMBOLS, LEGENDS, STRIPES, MARKINGS (7-14-36)

MODIFYING SECTION 870 - CONSTRUCTION STAKING BY THE CONTRACTOR'S MISCELLANEOUS CONSTRUCTION STAKING BY THE CONTRACTOR (1-3-37)

SPECIAL DRAWING P-34-5 - TYPICAL TRAFFIC LIGHT

LIST OF INCIDENTALS

NEW MEDIA INFORMED - GENERAL NOTE No. 2

CONTRACTOR DAMAGED UTILITIES - GENERAL NOTE No. 7

DAMAGED CURB & GUTTER, ETC. - GENERAL NOTE No. 8

SAW CUTTING PAVEMENT - GENERAL NOTE No. 9

FLASHING TACK COAT - GENERAL NOTE No. 13

SUBGRADE PREP & BASE FOR CURB & GUTTER - GEN. NOTE No. 20

DESIGN MATERIALS INSTALLATION AND REMOVAL OF SAFETY BARRIER - GENERAL NOTE No. 32

REMOVE AND RESET EXISTING SIGNS

SUPPLY AND INSTALL CONCRETE PIPE PLUG - SEE SHEET 5-1

PAINTING MEDIAN CURB REFLECTORIZED YELLOW - SEE SHEET 2-4

DISPOSAL OF EXCESS MATERIAL - GENERAL NOTE No. 27

SUPPLY AND INSTALL METER PEDESTAL - SEE SHT. 3-2 & 6-2

REFURBISHED JOINTS - SEE SHEET 2-7

SAND SLURRY FOR ABANDONED WATERL - SEE SHEETS 6-1 TO 6-6

REMOVE & REPLACE 1'x1' CONCRETE PAVING BLOCKS - SEE SHEET 3-2

PEDESTRIAN TRAFFIC CONTROL - SEE TRAFFIC CONTROL NOTES - SHEET 4-11

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACT NO.	DATE	CONTRACTOR	DATE	NO.	BY	DATE		DATE	BY	DATE	DATE
INSPECTION	DATE	INSPECTION	DATE	NO.	BY	DATE		DATE	BY	DATE	DATE
FIELD	DATE	FIELD	DATE	NO.	BY	DATE		DATE	BY	DATE	DATE
DRAWINGS	DATE	DRAWINGS	DATE	NO.	BY	DATE		DATE	BY	DATE	DATE
MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION	
NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SPECIAL PROVISIONS
SUPPLEMENTAL SPECIFICATIONS
LIST OF INCIDENTALS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	MA RAO	10/18/89			
Trans. Dev	MA RAO	9-20-89			
Utility Dev	NIA RWK	10-18-89			

DRAWING NO. 14-2035-1
MAP NO. 004-3671

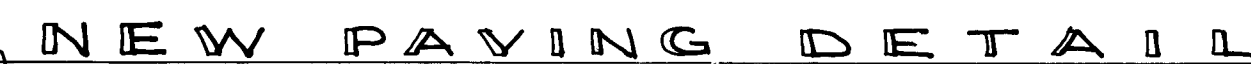
SHEET 1 OF 6

C of A PWD Maps & Records

26 36 71 06 91

"AS-BUILTS"

AVERAGE DAILY TRAFFIC (1987) ACTUAL	<u>31600</u>
AVERAGE DAILY TRAFFIC (1999)	<u>37130</u>
AVERAGE DAILY TRAFFIC (2009)	<u>40400</u>
% HEAVY COMMERCIAL	<u>3.0%</u>
ADL (10)	<u>366</u>
ADL (20)	<u>400</u>



"A S - B U I L T S"

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: GIBSON BOULEVARD PAVEMENT REHAB.					
TYPICAL SECTIONS AND DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	10/18/89			
Trans. Dev.	<i>[Signature]</i>	9-20-89			
Utility Dev.	<i>[Signature]</i>	10-18-89			
DRAWING M-407B(1) &		MAP NO.	SHEET OF		
NO. CQA-3671		1 - T-Z 1 - A-Z	2-1		

TEMPORARY SURFACING (FOR WATERLINE CONSTRUCTION)																			207001 304001 401002 401101 401150 408012									
					SUBGRADE PREPARATION		BASE COURSE					PLANT MIX BITUMINOUS PAVEMENT - TYPE 1 - GR. B				GO-TO BIT.MAT.	HYD. LIME	ASPHALT FOR PRIME COAT										
LOC.	DESCRIPTION	STATION	TO STATION	LENGTH	WIDTH	SQ.YD.	WIDTH	DEPTH	SQ.YD.	TONS	WIDTH	DEPTH	SQ.YD.	TONS	TONS	TONS	WIDTH	SQ.YD.	TONS									
CL	PVMT PATCHING / 20" WATERLINE	0 + 12.00	"	0 + 30.00	18.00	8.00	16.00	8.00	3"	16.00	2.57	8.00	2"	16.00	1.73	0.10	0.03	8.00	16.00	0.03								
LT	PVMT PATCHING / 8" WATERLINE	0 + 12.00	"	0 + 30.00	18.00	(CALC.)	22.33	(CALC.)	"	22.33	3.58	(CALC.)	"	22.33	2.42	0.13	0.04	(CALC.)	22.33	0.05								
CL	PVMT PATCHING / 20" WATERLINE	0 + 30.00	"	0 + 70.00	40.00	6.00	26.67	6.00	"	26.67	4.28	6.00	"	26.67	2.89	0.16	0.04	6.00	26.67	0.06								
LT	PVMT PATCHING / 8" WATERLINE	0 + 30.00	"	3 + 54.00	324.00	5.00	180.00	5.00	"	180.00	28.88	5.00	"	180.00	19.50	1.07	0.29	5.00	180.00	0.39								
LT	FIRE HYDRANT CONNECTION	3 + 54.00	"	3 + 62.00	8.00	13.00	11.56	13.00	"	11.56	1.85	13.00	"	11.56	1.25	0.07	0.02	13.00	11.56	0.02								
LT	PVMT PATCHING / 8" WATERLINE	3 + 62.00	"	5 + 53.50	191.50	5.00	106.39	5.00	"	106.39	17.07	5.00	"	106.39	11.53	0.63	0.17	5.00	106.39	0.23								
LT	WATER METER CONNECTION	5 + 53.50	"	5 + 53.50	6.00	14.00	9.33	14.00	"	9.33	1.50	14.00	"	9.33	1.01	0.06	0.02	14.00	9.33	0.02								
LT	PVMT PATCHING / 20" WATERLINE	5 + 53.50	"	6 + 79.50	120.00	5.00	66.67	5.00	"	66.67	10.69	5.00	"	66.67	7.22	0.40	0.11	5.00	66.67	0.14								
LT	FIRE HYDRANT CONNECTION	6 + 79.50	"	6 + 87.50	8.00	20.00	17.78	20.00	"	17.78	2.85	20.00	"	17.78	1.93	0.11	0.03	20.00	17.78	0.04								
CL	PVMT PATCHING / 20" WATERLINE	4 + 62.00	"	6 + 64.00	202.00	7.00	157.11	7.00	"	157.11	25.20	7.00	"	157.11	17.02	0.94	0.26	7.00	157.11	0.34								
CL	PVMT PATCHING / 8" WATERLINE	6 + 64.00	"	6 + 69.00	5.00	43.00	23.89	43.00	"	23.89	3.83	43.00	"	23.89	2.59	0.14	0.04	43.00	23.89	0.05								
CL	PVMT PATCHING / 20" WATERLINE	6 + 69.00	"	7 + 38.00	69.00	6.00	46.00	6.00	"	46.00	7.38	6.00	"	46.00	4.98	0.27	0.07	6.00	46.00	0.10								
CL	PVMT PATCHING / 8" WATERLINE	6 + 87.50	"	11 + 27.00	439.50	5.00	244.17	5.00	"	244.17	39.17	5.00	"	244.17	26.45	1.45	0.40	5.00	244.17	0.52								
CL	PVMT PATCHING / 20" WATERLINE	7 + 38.00	"	9 + 09.00	171.00	2.00	38.00	2.00	"	38.00	6.10	2.00	"	38.00	4.12	0.23	0.06	2.00	38.00	0.08								
LT	WATER METER CONNECTION	11 + 27.00	"	11 + 35.00	8.00	13.00	11.56	13.00	"	11.56	1.85	13.00	"	11.56	1.25	0.07	0.02	13.00	11.56	0.02								
LT	PVMT PATCHING / 8" WATERLINE	11 + 35.00	"	12 + 18.50	83.50	5.00	46.39	5.00	"	46.39	7.44	5.00	"	46.39	5.03	0.28	0.08	5.00	46.39	0.10								
RT	PVMT PATCHING / 20" WATERLINE	10 + 82.75	"	12 + 48.00	165.25	6.00	110.17	6.00	"	110.17	17.67	6.00	"	110.17	11.93	0.66	0.18	6.00	110.17	0.24								
RT	WATER VALVE CONNECTION	12 + 48.00	"	12 + 56.00	8.00	10.00	8.89	10.00	"	8.89	1.43	10.00	"	8.89	0.96	0.05	0.01	10.00	8.89	0.02								
RT	PVMT PATCHING / 8" WATERLINE	12 + 74.24	"	13 + 40.00	65.75	5.00	36.53	5.00	"	36.53	5.86	5.00	"	36.53	3.96	0.22	0.06	5.00	36.53	0.08								
RT	PVMT PATCHING / 20" WATERLINE	12 + 56.00	"	13 + 37.00	81.00	6.00	54.00	6.00	"	54.00	8.66	6.00	"	54.00	5.85	0.32	0.09	6.00	54.00	0.12								
LT, RT	MISCELLANEOUS PATCHING	13 + 29.00	"	13 + 55.00	(CALC.)	6.00	55.00	6.00	"	55.00	8.82	6.00	"	55.00	5.96	0.33	0.09	6.00	55.00	0.12								
RT	PVMT PATCHING / 12" WATERLINE	13 + 45.00	"	14 + 58.50	126.00	5.00	70.00	5.00	"	70.00	11.23	5.00	"	70.00	7.58	0.42	0.11	5.00	70.00	0.15								
LT	PVMT PATCHING / 20" WATERLINE	13 + 53.00	"	15 + 15.00	162.00	6.00	108.00	6.00	"	108.00	11.73	6.00	"	108.00	11.70	0.64	0.18	6.00	108.00	0.23								
LT	WATER VALVE CONNECTION	15 + 15.00	"	15 + 23.00	8.00	10.00	8.89	10.00	"	8.89	1.43	10.00	"	8.89	0.96	0.05	0.01	10.00	8.89	0.02								
LT	PVMT PATCHING / 20" WATERLINE	15 + 23.00	"	16 + 72.00	149.00	6.00	99.33	6.00	"	99.33	15.93	6.00	"	99.33	10.76	0.61	0.16	6.00	99.33	0.21								
LT	WATER VALVE CONNECTION	16 + 72.00	"	16 + 80.00	8.00	13.00	11.56	13.00	"	11.56	1.85	13.00	"	11.56	1.25	0.07	0.02	13.00	11.56	0.02								
LT	PVMT PATCHING / 20" WATERLINE	16 + 80.00	"	19 + 93.00	313.00	6.00	208.67	6.00	"	208.67	33.47	6.00	"	208.67	22.61	1.24	0.34	6.00	208.67	0.45								
LT	WATER VALVE CONNECTION	19 + 93.00	"	20 + 01.00	8.00	14.00	12.44	14.00	"	12.44	2.00	14.00	"	12.44	1.35	0.07	0.02	14.00	12.44	0.03								
LT	PVMT PATCHING / 20" WATERLINE	20 + 01.00	"	20 + 64.00	63.00	6.00	42.00	6.00	"	42.00	6.74	6.00	"	42.00	4.55	0.25	0.07	6.00	42.00	0.09								
LT	WATERLINE CONNECTION	20 + 64.00	"	20 + 72.00	8.00	14.00	12.44	14.00	"	12.44	2.00	14.00	"	12.44	1.35	0.07	0.02	14.00	12.44	0.03								
LT	PVMT PATCHING / 20" WATERLINE	20 + 72.00	"	22 + 97.00	225.00	6.00	150.00	6.00	"	150.00	24.06	6.00	"	150.00	16.25	0.89	0.24	6.00	150.00	0.32								
LT	WATERLINE CONNECTION	22 + 97.00	"	23 + 02.00	5.00	10.00	5.56	10.00	"	5.56	0.89	10.00	"	5.56	0.60	0.03	0.01	10.00	5.56	0.01								
LT	PVMT PATCHING / 20" WATERLINE	23 + 02.00	"	23 + 04.00	2.00	6.00	1.33	6.00	"	1.33	0.21	6.00	"	1.33	0.14	0.01	0.01	6.00	1.33	0.01								
COA 3671 TOTAL FOR WATERLINE CONSTRUCTION						2018.66				323.82				218.68	12.02	3.30	4	4.34										
USE						2100				330				225	13			5										

202010

REMOVAL OF SURFACING							
LOC.	STATION	TO STATION	LENGTH	WIDTH	SQYD.	DESCRIPTION	
CL	0 + 12.00	"	0 + 30.00	18.00	8.00	16.00	PVMT PATCHING / 20" WATERLINE
LT	0 + 12.00	"	0 + 30.00	18.00	(CALC.)	22.33	PVMT PATCHING / 8" WATERLINE
CL	0 + 30.00	"	0 + 70.00	40.00	6.00	26.67	PVMT PATCHING / 20" WATERLINE
LT	0 + 30.00	"	3 + 54.00	324.00	5.00	180.00	PVMT PATCHING / 8" WATERLINE
LT	3 + 54.00	"	3 + 62.00	8.00	13.00	11.56	FIRE HYDRANT CONNECTION
LT	3 + 62.00	"	5 + 53.50	191.50	5.00	106.39	PVMT PATCHING / 8" WATERLINE
LT	5 + 53.50	"	5 + 53.50	6.00	14.00	9.33	WATER METER CONNECTION
LT	5 + 53.50	"	6 + 79.50	120.00	5.00	66.67	PVMT PATCHING / 20" WATERLINE
LT	6 + 79.50	"	6 + 87.50	8.00	20.00	17.78	FIRE HYDRANT CONNECTION
CL	4 + 62.00	"	6 + 64.00	202.00	7.00	157.11	PVMT PATCHING / 20" WATERLINE
CL	6 + 64.00	"	6 + 69.00	5.00	43.00	23.89	PVMT PATCHING / 6" WATERLINE
CL	6 + 69.00	"	7 + 38.00	69.00	6.00	46.00	PVMT PATCHING / 20" WATERLINE
LT	6 + 87.50	"	11 + 27.00	439.50	5.00	244.17	PVMT PATCHING / 8" WATERLINE
CL	7 + 38.00	"	9 + 09.00	171.00	2.00	38.00	PVMT PATCHING / 20" WATERLINE
LT	11 + 27.00	"	11 + 35.00	8.00	13.00	11.56	WATER METER CONNECTION
LT	11 + 35.00	"	12 + 18.50	83.50	5.00	46.39	PVMT PATCHING / 8" WATERLINE
RT	10 + 82.75	"	12 + 48.00	165.25	6.00	110.17	PVMT PATCHING / 20" WATERLINE
RT	12 + 48.00	"	12 + 56.00	8.00	10.00	8.89	WATER VALVE CONNECTION
RT	12 + 74.24	"	13 + 40.00	65.75	5.00	36.53	PVMT PATCHING / 8" WATERLINE
RT	12 + 56.00	"	13 + 37.00	81.00	6.00	54.00	PVMT PATCHING / 20" WATERLINE
LT, RT	13 + 29.00	"	13 + 55.00	(CALC.)	6.00	55.00	MISCELLANEOUS PATCHING
RT	13 + 45.00	"	14 + 58.50	126.00	5.00	70.00	PVMT PATCHING / 12" WATERLINE
LT	13 + 53.00	"	15 + 15.00	162.00	6.00	108.00	PVMT PATCHING / 20" WATERLINE
LT	15 + 15.00	"	15 + 23.00	8.00	10.00	8.89	WATER VALVE CONNECTION
LT	15 + 23.00	"	16 + 72.00	149.00	6.00	99.33	PVMT PATCHING / 20" WATERLINE
LT	16 + 72.00	"	16 + 80.00	8.00	13.00	11.56	WATER VALVE CONNECTION
LT	16 + 80.00	"	19 + 93.00	313.00	6.00	208.67	PVMT PATCHING / 20" WATERLINE
LT	19 + 93.00	"	20 + 01.00	8.00	14.00	12.44	WATER VALVE CONNECTION
LT	20 + 01.00	"	20 + 64.00	63.00	6.00	42.00	PVMT PATCHING / 20" WATERLINE
LT	20 + 64.00	"	20 + 72.00	8.00	14.00	12.44	WATERLINE CONNECTION
LT	20 + 72.00	"	22 + 97.00	225.00	6.00	150.00	PVMT PATCHING / 20" WATERLINE
LT	22 + 97.00	"	23 + 02.00	5.00	10.00	5.56	WATERLINE CONNECTION
LT	23 + 02.00	"	23 + 04.00	2.00	6.00	1.33	PVMT PATCHING / 20" WATERLINE
COA 3671 TOTAL (WATERLINE)						2018.66	
USE						2100	
LT, RT	0 - 16.00	TO	14 + 10.00	(CALC.)	—	12415.25	ALL DRIVING LANES, LEFT TURN LANES & INTERSECTIONS
COA 3671 TOTAL (ROADWAY)						12415.25	
USE						12500	
LT, RT	14 + 10.00	TO	41 + 00.00	(CALC.)	—	23565.17	ALL DRIVING LANES, LEFT TURN LANES & INTERSECTIONS
M-4078 (1) TOTAL						23565.17	
USE						24000	

WATERLINE REMOVALS

GENERAL NOTES:

- THE CONSTRUCTION OF THE PROJECT WILL BE IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, EDITION OF 1984 AND THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION. IF ANY CONFLICTS ARISE DURING CONSTRUCTION THE NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, EDITION OF 1984, WILL GOVERN.
- THE CITY WILL PLACE A NOTICE OF CONSTRUCTION ACTIVITY IN LOCAL NEWSPAPER(S) AT LEAST TWO WEEKENDS PRECEDING THE BEGINNING OF EACH MAJOR PHASE OF CONSTRUCTION. THE CONTRACTOR WILL PROVIDE THE PROJECT MANAGER WITH TIMELY SCHEDULE AND DETOUR INFORMATION AND UPDATES FOR PREPARATION OF THESE NOTICES. THERE WILL BE NO DIRECT COMPENSATION FOR THIS CONTRACTOR SERVICE.
- THE FIRE DEPARTMENT SHALL BE NOTIFIED 48 HOURS IN ADVANCE BY THE CONTRACTOR WHENEVER A FIRE HYDRANT IS TO BE REMOVED OR IS TO BE OUT OF SERVICE.
- THE AIR POLLUTION CONTROL REGULATIONS OF THE ALBUQUERQUE BERNALILLO COUNTY AIR QUALITY CONTROL BOARD LIMIT EMISSION OF PARTICULATE MATTER AND THE USE OF CUT BACK ASPHALT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CLARIFY THESE RESTRICTIONS WITH THE ENVIRONMENTAL HEALTH DEPARTMENT PRIOR TO SUBMITTAL OF BIDS TO AVOID CONFLICTS WITH THE REGULATIONS. ANY REQUIRED PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXCAVATION SHALL BE GOVERNED BY FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- ALL SIGNS, PAVEMENT MARKINGS AND CODING WILL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" CURRENT EDITION, PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.
- THE CONTRACTOR IS TO EXERCISE CARE WHEN REMOVING EXISTING PAVEMENT TO AVOID DISTURBING ANY EXISTING UNDERGROUND UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION. ANY EXISTING UTILITIES OR SERVICE LINES THAT DO NOT REQUIRE RELOCATION AND ARE DAMAGED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. THIS EXPENSE SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT WILL BE MADE.
- CURB AND GUTTER, SIDEWALKS AND DRIVEPADS SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT, WHICH ARE DAMAGED OR DISPLACED BY THE CONTRACTOR, SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- WHEN ABUTTING NEW PAVEMENT TO EXISTING INTERSECTING STREETS, SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AND AT RIGHT ANGLES TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING.
- ALL GAS VALVE BOXES, GAS MANHOLES, ELECTRICAL MANHOLES, TELEPHONE MANHOLES AND UTILITY POLES WILL BE ADJUSTED TO GRADE OR RELOCATED BY OTHERS.
- WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE BACK TO NEAREST SUITABLE JOINT UNLESS OTHERWISE NOTED.
- AFTER CONDUCTING THE NECESSARY TESTS, THE CITY WILL DETERMINE IF HYDRATED LIME OR LIQUID ANTI-STRIPPING AGENT WILL BE USED FOR THE OPEN GRADED FRICTION COURSE. IF HYDRATED LIME IS USED, ITEM NO. 404200 - LIQUID ANTI-STRIPPING AGENT, CONCENTRATE GRADE WILL BE DELETED FROM THE CONTRACT, AND PAYMENT FOR THE HYDRATED LIME WILL BE EFFECTED AT THE UNIT PRICE BID FOR ITEM NO. 404150 - HYDRATED LIME.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY HIM TO EXISTING VALVE BOXES, TRAFFIC CONDUIT AND MANHOLES DURING CONSTRUCTION AND SHALL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE. THE CONTRACTOR SHALL PROTECT THE CURB AND GUTTER FROM INCIDENTAL SPLASHING DURING TACK COAT APPLICATION AND CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING THE SAME AT HIS OWN EXPENSE IN THE EVENT OF SPLASHING.
- CONTRACTOR SHALL MAKE ACCESSIBLE ALL WATER VALVES AND MANHOLES TO THE CITY UPON REQUEST, DURING CONSTRUCTION.
- THE USE OF ADJUSTING RINGS WITHIN THE MANHOLE FRAMES TO ADJUST MANHOLE COVERS WILL NOT BE PERMITTED.
- CAUTION - THE EXISTING UTILITY LOCATIONS INDICATED ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO POTHOLE AND FIELD CHECK TO DETERMINE ACTUAL LOCATIONS OF LINES, FITTINGS OR CONNECTIONS AS AN INCIDENTAL REQUISITE TO THE CONSTRUCTION CONTRACT. EXTREME CAUTION SHOULD BE EXERCISED WHILE WORKING IN THE VICINITY OF THE 14 INCH VERY HIGH PRESSURE GAS LINE LOCATED ON THE SOUTH SIDE OF GIBSON BLVD. THROUGHOUT THE LENGTH OF THE PROJECT.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND MAINTAINING IN SERVICE ALL EXISTING UTILITIES.

704010
REFLECTORIZED FAINTED MARKINGS

STATION	TO	STATION	LENGTH	4" BROKEN WHITE	4" SOLID WHITE	8" SOLID WHITE	12" SOLID WHITE	REMARKS
0 + 16.00	"	14 + 10.00	1426.00	1426.00				G DRIVING LA.
5 + 10.00	"	G + 52.00	142.00		142.00			LT. TURN LANE
6 + 53.00	"						44.16	STOP BAR
6 + 63.00	"					153.00		CROSSWALK
7 + 46.00	"	8 + 30.00	144.00		144.00			LT. TURN LANE
8 + 32.00	"	9 + 42.00	110.00		110.00			" " "
11 + 75.00	"	12 + 83.00				113.00		CROSSWALK
13 + 35.00	"	13 + 38.00					42.00	STOP BAR
13 + 68.00	"	14 + 10.00				153.00		CROSSWALK
14 + 00.00	"						44.16	STOP BAR
14 + 10.00	"							
COA 3671 TOTAL			1330.00	1330.00	504.00	419.00	130.32	
USE			3950					
REFLECTIVE PLASTIC PAVEMENT STRIPE ~8" TOTAL			413.00					USE = 425 LIN. FT.
REFLECTIVE PLASTIC PAVEMENT STRIPE ~12" TOTAL			130.32					USE = 135 LIN. FT.
14 + 10.00	"	41 + 00.00	2690.00	2690.00				G DRIVING LA.
14 + 20.00	"	14 + 38.00	78.00		78.00			LT. TURN LANE
14 + 46.50	"	14 + 72.00	25.50			51.00		CROSSWALK
15 + 82.00	"	16 + 42.00	60.00		60.00			LT. TURN LANE
17 + 18.00	"	18 + 04.00	86.00		86.00			" " "
17 + 36.00	"	18 + 61.00	95.00		95.00			" " "
18 + 89.00	"	19 + 74.00	85.00		85.00			" " "
20 + 48.00	"	21 + 34.00	86.00		86.00			" " "
22 + 18.00	"	23 + 04.00	86.00		86.00			" " "
23 + 77.00	"	24 + 27.00	50.00		50.00			" " "
25 + 11.00	"	25 + 31.00	80.00		80.00			" " "
25 + 41.00	"	25 + 66.00	103.50		103.50			" " "
30 + 40.00	"	31 + 24.00	84.00		84.00			" " "
31 + 27.00	"	32 + 12.00	85.00		85.00			" " "
32 + 08.00	"	32 + 32.00	84.00		84.00			" " "
33 + 70.00	"	34 + 54.00	85.00		85.00			" " "
35 + 38.00	"	36 + 22.00	84.00		84.00			" " "
36 + 95.00	"	37 + 38.00	43.00		43.00			" " "
38 + 22.00	"	39 + 56.00	134.00		134.00			" " "
39 + 58.00	"		44.16				44.16	STOP BAR
39 + 68.00	"		153.00			153.00		CROSSWALK
39 + 77.50	"	40 + 25.30	48.40			96.80		CROSSWALK
39 + 77.50	"	40 + 25.30	48.40				48.40	CROSSWALK
39 + 79.50	"	40 + 27.70	48.20			96.40		CROSSWALK
39 + 79.50	"	40 + 27.70	48.20				48.20	STOP BAR
40 + 28.00	"		153.00			153.00		CROSSWALK
40 + 38.00	"		44.16				44.16	STOP BAR
M-4078(1) TOTAL			4068.50	4068.50	1378.50	350.20	184.92	
USE			8200					
REFLECTIVE PLASTIC PAVEMENT STRIPE ~8" TOTAL			550.20					USE = 555
REFLECTIVE PLASTIC PAVEMENT STRIPE ~12" TOTAL			184.92					USE = 190

NOTE:
COST OF PAINTING MEDIAN CURBS WITH REFLECTORIZED YELLOW IS TO BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 704010 - REFLECTORIZED PAINTED MARKINGS.

603058
CONCRETE BARRIER CURB & GUTTER

STATION	TO	STATION	LOC.	LINE FT.	TYPE	DESCRIPTION
0 + 16.00	"	0 + 04.60	LT	11.40	BARRIER	REPLACE DAMAGED C & G
0 + 16.00	"	0 + 08.00	RT	24.00	"	"
0 + 04.60	"	0 + 15.40	LT	56.00	"	WHEEL CHAIR RAMP/N.W. CORNER
0 + 46.60	"	0 + 71.60	LT	19.00	"	WHEEL CHAIR RAMP/N.E. CORNER
6 + 46.30	"	6 + 58.30	LT	12.00	"	REPLACE DAMAGED C & G
6 + 63.00	"	6 + 67.00	RT	4.00	"	NEW FIRE HYD. INSTALLATION
6 + 58.30	"	6 + 78.30	LT	19.00	"	WHEEL CHAIR RAMP/N.W. CORNER
13 + 44.00	"	13 + 57.00	RT	13.00	"	WHEEL CHAIR RAMP/S.W. CORNER
COA 3671 TOTAL				164.40		
USE				170		
14 + 56.00	"	14 + 63.00	RT	12.00	BARRIER	C & G REMOVED FOR WATERLINE
14 + 60.00	"	14 + 65.50	RT	19.00	"	WHEEL CHAIR RAMP/S.E. CORNER
16 + 17.80	"	16 + 47.80	LT	30.00	"	REPLACE DAMAGED C & G
16 + 58.00	"	16 + 63.50	RT	11.00	"	WHEEL CHAIR RAMP/PRIVATE DRIVE
19 + 82.10	"	19 + 94.10	LT	19.00	"	WHEEL CHAIR RAMP/N.W. CORNER
20 + 29.80	"	20 + 41.80	LT	19.00	"	WHEEL CHAIR RAMP/N.E. CORNER
20 + 61.00	"	20 + 91.00	RT	30.00	"	REPLACE DAMAGED C & G
23 + 08.00	"	23 + 20.00	LT	19.00	"	WHEEL CHAIR RAMP/N.W. CORNER
25 + 01.00	"	25 + 30.00	RT	89.00	"	REPLACE DAMAGED C & G
26 + 42.00	"	27 + 14.00	LT	72.00	"	DAMAGED C & G/PEDESTRIAN RAMP
26 + 42.00	"	27 + 14.00	RT	72.00	"	"
28 + 21.00	"	28 + 24.00	RT	4.00	"	REPLACE SIDEWALK DRAIN
28 + 43.60	"	29 + 03.60	RT	60.00	"	REPLACE DAMAGED C & G
29 + 73.50	"	29 + 85.50	LT	19.00	"	WHEEL CHAIR RAMP/N.W. CORNER
33 + 24.00	"	33 + 36.00	RT	12.00	LAYDOWN	REPLACE HANDICAP OBSTACLE
36 + 29.10	"	36 + 41.10	LT	19.00	BARRIER	WHEEL CHAIR RAMP/N.W. CORNER
36 + 84.00	"	36 + 99.00	LT	19.00	"	WHEEL CHAIR RAMP/N.E. CORNER
39 + 62.50	"	39 + 77.50	LT	19.00	"	WHEEL CHAIR RAMP/N.W. CORNER
39 + 65.50	"	39 + 79.50	RT	19.00	"	WHEEL CHAIR RAMP/S.W. CORNER
40 + 25.30	"	40 + 37.30	LT	19.00	"	WHEEL CHAIR RAMP/N.E. CORNER
40 + 27.70	"	40 + 39.70	RT	19.00	"	WHEEL CHAIR RAMP/S.E. CORNER
M-4078(1) TOTAL				601.00		
USE				610		

NOTE: APPROXIMATELY 12 LIN. FT. OF LAYDOWN CURB & GUTTER WILL BE PAID FOR UNDER ITEM N2 603058 - BARRIER CURB & GUTTER.

202001
REMOVAL OF STRUCTURES AND OBSTRUCTIONS

STATION	TO	STATION	LOC.	DESCRIPTION
00 + 16.00	"	00 + 04.00	LT	11.4' BARRIER CURB & GUTTER
00 + 16.00	"	00 + 08.00	RT	24' BARRIER CURB & GUTTER
00 + 04.00	"	00 + 15.40	LT	56' BARRIER C & G @ JACKSON
00 + 46.60	"	00 + 71.60	LT	19' BARRIER C & G @ JACKSON
00 + 46.60	"	00 + 91.00	RT	30' BARRIER CURB & GUTTER
00 + 63.00	"	00 + 67.00	RT	4' BARRIER C & G @ JACKSON
00 + 58.30	"	00 + 78.30	LT	19' BARRIER C & G @ TRUMAN
00 + 58.30	"	00 + 78.30	LT	19' BARRIER C & G @ TRUMAN
7 + 38.00	"	9 + 09.00	LT	175' MEDIAN CURB & GUTTER
10 + 71.00	"	10 + 83.00	RT	12' MEDIAN CURB & GUTTER
12 + 51.00	"	12 + 83.00	RT	32' MEDIAN CURB & GUTTER
13 + 44.00	"	13 + 57.00	RT	19' MEDIAN CURB & GUTTER
13 + 44.00	"	13 + 57.00	RT	1.16 SY. CONC SW @ RIDGECREST
14 + 16.00	"	14 + 46.00	RT	10' MEDIAN C & G @ RIDGECREST
14 + 19.00	"		RT	MASTARM BASE
14 + 56.00	"	14 + 63.00	RT	12' BARRIER C & G
14 + 56.00	"	14 + 63.00	RT	5.56 SY. CONC SW @ RIDGECREST
14 + 60.00	"	14 + 65.50	RT	19' BARRIER C & G @ RIDGECREST
14 + 60.00	"	14 + 65.50	RT	18.91 SY. CONC SW @ RIDGECREST
16 + 17.80	"	16 + 47.80	LT	30' BARRIER CURB & GUTTER
16 + 58.00	"	16 + 63.50	RT	11' BARRIER C & G @ PRIVATE DRIVE
16 + 58.00	"	16 + 63.50	RT	6.90 SY. CONC SW @ PRIVATE DR.
19 + 82.10	"	19 + 94.10	LT	19' BARRIER C & G @ MADEIRA
19 + 82.10	"	19 + 94.10	LT	8.77 SY. CONC SW @ MADEIRA
20 + 29.80	"	20 + 41.80	LT	19' BARRIER C & G @ MADEIRA
20 + 29.80	"	20 + 41.80	LT	8.77 SY. CONC SW @ MADEIRA
20 + 61.00	"	20 + 91.00	RT	30' BARRIER CURB & GUTTER
23 + 08.00	"	23 + 20.00	LT	19' BARRIER C & G @ PALOMAS
23 + 08.00	"	23 + 20.00	LT	8.77 SY. CONC SW @ PALOMAS
25 + 01.00	"	25 + 30.00	RT	89' BARRIER CURB & GUTTER
26 + 42.00	"	27 + 14.00	LT/RT	144' BARRIER CURB & GUTTER
26 + 42.00	"	27 + 14.00	LT/RT	28 SY. CONC PEDESTRIAN RAMP
27 + 73.50	"	28 + 07.00	LT/RT	65' MEDIAN CURB & GUTTER
28 + 53.00	"	29 + 42.50	LT/RT	201' MEDIAN CURB & GUTTER
28 + 21.00	"	28 + 24.00	RT	4' BARRIER CURB & GUTTER
28 + 21.00	"	28 + 24.00	RT	2.67 SY. CONC SIDEWALK DRAIN
28 + 43.60	"	29 + 03.60	RT	60' BARRIER CURB & GUTTER
29 + 05.00	"		50' LT	1' PEDESTRIAN CROSSING SIGN
29 + 73.50	"	29 + 85.50	LT	19' BARRIER CURB & GUTTER
29 + 73.50	"	29 + 85.50	LT	8.77 SY. CONC SW @ VALENCIA
30 + 22.75	"	30 + 68.25	RT	25.5' BARRIER CURB & GUTTER
30 + 45.75	"	30 + 68.25	RT	15 SY. CONC SIDEWALK
32 + 24.00	"	33 + 36.00	RT	12' BARRIER CURB & GUTTER
32 + 24.00	"	33 + 36.00	RT	8 SY. CONCRETE DRIVE PAD
33 + 84.75	"	33 + 98.25	RT	13.5' MEDIAN CURB & GUTTER
35 + 29.75	"	35 + 43.25	RT	13.5' C & G, 9 S.Y. SIDEWALK
35 + 36.00	"	35 + 46.00	LT	6.67 SY. CONCRETE SIDEWALK
35 + 81.75	"	35 + 95.25	LT	13.5' C & G, 9 S.Y. SIDEWALK
36 + 29.10	"	36 + 38.10	LT	19' BARRIER C & G @ PRIVATE DR.
36 + 29.10	"	36 + 38.10	LT	8.53 SY. CONC SW @ PRIVATE DR.
36 + 84.00	"	36 + 99.00	LT	19' BARRIER C & G @ PRIVATE DR.
36 + 84.00	"	36 + 99.00	LT	9.61 SY. CONC SW @ PRIVATE DR.
39 + 56.00	"	39 + 58.00	45' LT	0.44 SY. CONC MAST ARM BASE
39 + 62.50	"	39 + 77.50	LT	19' BARRIER C & G @ SAN PEDRO
39 + 62.50	"	39 + 77.50	LT	12.11 SY. CONC SW @ SAN PEDRO
39 + 63.00	"	39 + 80.00	RT	19' BARRIER C & G @ SAN PEDRO
39 + 63.00	"	39 + 80.00	RT	8.77 SY. CONC SW @ SAN PEDRO
40 + 25.30	"	40 + 37.30	LT	19' BARRIER C & G @ SAN PEDRO
40 + 25.30	"	40 + 37.30	LT	8.77 SY. CONC SW @ SAN PEDRO
40 + 27.70	"	40 + 39.70	RT	19' BARRIER C & G @ SAN PEDRO
40 + 27.70	"	40 + 39.70	RT	8.77 SY. CONC SW @ SAN PEDRO

603060
CONCRETE MEDIAN CURB & GUTTER

STATION	TO	STATION	LOC	LN.FT.	TYPE	DESCRIPTION
0 + 62.00	"	0 + 75.00	LT	12.00	MEDIAN	C & G REMOVED FOR WATERLINE
4 + 62.00	"	4 + 74.00	LT	12.00	"	" " " " " "
7 + 38.00	"	9 + 09.00	LT	175.00	"	" " " " " "
10 + 71.00	"	10 + 83.00	RT	12.00	"	" " " " " "
11 + 53.00	"	12 + 83.00	C	228.00	"	REPLACE MISSING MEDIAN
COA 3671 TOTAL				439.00		
USE				440		
14 + 16.00	"	14 + 46.00	RT	70.00	MEDIAN	WHEEL CHAIR RAMPS @ ISLAND
27 + 78.50	"	29 + 42.50	LT	164.00	"	EXTEND EXISTING LT. TURN PAV.
27 + 78.50	"	29 + 42.50	RT	165.14	"	" " " " " "
M - 4078 (1) TOTAL				399.14		
USE				400		
SHEET TOTAL				838.14		
USE				840		

GENERAL NOTES (CONT)

- 19 ALL MANHOLE FRAMES AND COVERS AND WATER VALVE FRAMES AND LIDS SHALL BE ADJUSTED WITH CONCRETE COLLARS IN ACCORDANCE WITH THE STANDARD DETAILS AND ALL MANHOLE FRAMES AND COVERS AND WATER VALVE FRAMES AND LIDS ON GIBSON BLVD. WITHIN PROJECT LIMITS SHALL NOT BE ADJUSTED UNTIL AFTER THE FIVE-EIGHTHS (5/8") OGFC HAS BEEN PLACED AND COMPACTED TO INSURE PROPER FINISHED GRADE.
- 20 SUBGRADE PREPARATION UNDER SIDEWALKS AND DRIVEPADS, AND SUBGRADE PREPARATION AND BASE COURSE INSTALLATION UNDER "STANDARD CURB AND GUTTER" SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH AND NO DIRECT PAYMENT SHALL BE MADE FOR THOSE ITEMS OF WORK.
- 21 QUANTITIES SHOWN HEREIN, FOR THE VARIOUS BID ITEMS, ARE FOR THE CONTRACTOR'S INFORMATION ONLY. PAYMENT SHALL BE BASED ON ACTUAL QUANTITIES AS CONSTRUCTED.
- 22 IT IS THE INTENT OF THE OWNER TO REQUIRE THE CONTRACTOR TO REMOVE THE BITUMINOUS PAVEMENT AND PORTLAND CEMENT CONCRETE PAVEMENT SURFACES FROM LIP TO LIP OF GUTTERS, ALONG A STRAIGHT LINE ACROSS INTERSECTIONS AS SHOWN ON THE PLAN, TO DEPTH AND PARAMETERS ESTABLISHED IN THE PLANS AND SPECIFICATIONS. THE OWNER MAKES NO REPRESENTATION IN REGARD TO THE RELATIVE EASE OR DIFFICULTY THAT THE CONTRACTOR MAY ENCOUNTER IN PERFORMING THIS WORK. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO THOROUGHLY INVESTIGATE SITE CONDITIONS AND SUBMIT A BID IN ACCORDANCE WITH WHAT HE HAS DISCOVERED. ANY AND ALL RECORDS PERTINENT TO THIS ITEM AND OTHER ITEMS ON THIS PROJECT ARE AVAILABLE FOR INSPECTION AT THE CITY ENGINEER'S OFFICE.
- 23 THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES WHEN WORKING NEAR THEIR SYSTEMS. CALL 765-1234 REGARDING LOCATION OF UTILITY LINES. UTILITY COMPANIES SHALL BE GIVEN 48 HOURS (WEEKENDS EXCLUDED) ADVANCE NOTICE FOR LINE LOCATION.
- 24 CONSTRUCTION INDICATED UNDER THIS CONTRACT WILL NOT BE ALLOWED BETWEEN THE HOURS OF 7 P.M. AND 7 A.M.
- 25 TEMPORARY STRIPING SHALL BE PLACED WHERE THE CONTRACTOR'S OPERATION HAS OBLITERATED THE EXISTING OR PREVIOUS TEMPORARY STRIPING AT THE END OF EACH WORKDAY. THE TEMPORARY STRIPING MAY BE FOUR (4) INCH WIDE PAINT OR TAPE AS APPROVED BY THE PROJECT MANAGER. THE TEMPORARY STRIPE SEGMENTS SHALL BE AT LEAST TWO FOOT LONG ON NO GREATER THAN 40 FOOT CENTERS.
- 26 THE FINAL SURFACE OF THE REPLACED PAVEMENT AND GUTTER SHALL CONFORM TO A GRADE LINE SET BY THE CONTRACTOR SUCH THAT THE PAVEMENT, GUTTER AND DRAINAGE STRUCTURES WILL READILY DRAIN.
- 27 UTILITY ADJUSTMENTS WILL BE DONE CONCURRENT WITH CONSTRUCTION BY UTILITY COMPANIES INVOLVED. THE CONTRACTOR IS HEREBY ADVISED THAT HE SHALL COORDINATE HIS WORK WITH RESPECTIVE UTILITY COMPANIES WITH ENOUGH TIME SO AS NOT TO IMPEDE THE CONTRACTOR'S WORK.
- 28 THE CONTRACTOR SHALL RESTRICT THE USE OF ROLLING EQUIPMENT TO A MAXIMUM OF 35 TONS. THE USE OF A VIBRATORY ROLLER WILL NOT BE ALLOWED ON THIS PROJECT.
- 29 A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, ASPHALTIC PAVING, CONCRETE CURB AND GUTTER, FOUNDATIONS AND WALLS, SHALL BE OBTAINED BY THE CONTRACTOR. ALL COST, INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERE TO SHALL BE INCLUDED IN THE UNIT BID PRICE FOR (ITEM 202001) REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
- 30 THE OPEN-GRADED FRICTION COURSE OPERATION SHALL BE THE CONTRACTOR'S LAST SURFACING OPERATION.
- 31 ACCESS TO LOCAL BUSINESSES AND RESIDENCES SHALL BE KEPT OPEN EXCEPT FOR SHORT PERIODS OF TIME DURING PAVING OR CONCRETE PLACEMENT OPERATIONS. ANY ACCESS CLOSURE MUST BE SCHEDULED AT LEAST 24 HOURS IN ADVANCE WITH PROPERTY OWNERS AND BUSINESSES AND APPROVED BY THE PROJECT MANAGER.
- 32 THE CONSTRUCTION CLEAR ZONE FOR THIS PROJECT IS 15 FEET FROM THE EDGE OF THE DRIVING LANE. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE CONSTRUCTION CLEAR ZONE UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DESIGN FOR THIS SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE PROJECT MANAGER BEFORE IMPLEMENTING. THERE WILL BE NO DIRECT MEASUREMENT OR PAYMENT FOR THE DESIGN, MATERIALS, INSTALLATION AND REMOVAL OF THE SAFETY BARRIER. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROHIBIT ASPHALT VEHICLES AND EQUIPMENT FROM DRIVING UPON, ACCESS OR TURNING ON PRIVATE PROPERTY ADJACENT TO PROJECT WORK AREAS.
- 33 THE DESIGN "R" VALUE FOR THIS PROJECT IS 30. MATERIAL WITH AN "R" VALUE OF LESS THAN 30 SHALL NOT BE PLACED OR ALLOWED TO REMAIN WITHIN TWO FEET OF THE FINISHED SUBGRADE. IF THE REMOVAL OF UNSATISFACTORY MATERIAL IS NECESSARY, IT SHALL BE REPLACED, TO THE EXTENT POSSIBLE, WITH ACCEPTABLE EXCESS MATERIAL THAT IS REMOVED FROM BENEATH THE EXISTING ASPHALT PAVEMENT ABOVE FINISHED SUBGRADE LEVEL. IF SUFFICIENT MATERIAL IS NOT AVAILABLE FROM THIS SOURCE, ITEM NUMBER, 203010 (BORROW) WILL BE USED.
- 34 FOR ANY WORK REQUIRING WATER VALVE SHUTOFF, ONLY CITY PERSONNEL ARE AUTHORIZED TO CLOSE DOWN WATER LINES. COORDINATION WITH THE WATER SERVICE DIVISION MUST BE MADE AT LEAST THREE(3) WORKING DAYS IN ADVANCE OF WORK.

608004
4" CONCRETE SIDEWALK

STATION	TO	STATION	LOC.	SQ.FT.	SQ.YD.	DESCRIPTION
0 + 04.60	"	0 + 15.40	LT	58.60	6.51	W/C RAMP N.W. COR. JACKSON
0 + 46.60	"	0 + 71.60	LT	60.18	6.93	W/C RAMP N.E. COR. JACKSON
6 + 58.30	"	6 + 78.30	LT	58.60	6.51	W/C RAMP N.W. COR. TRUMAN
13 + 44.00	"	13 + 57.00	RT	64.40	7.15	W/C RAMP S.W. COR. RIDGECREST
COA 3GT1 TOTAL				241.78	26.87	
USE					30	
14 + 16.00	"	14 + 46.00	RT	448.04	49.78	W/C RAMPS @ RIDGECREST ISL.
14 + 56.00	"	14 + 63.00	RT	50.00	5.56	WATERLINE INST @ RIDGECREST
14 + 60.00	"	14 + 65.50	RT	170.21	18.31	W/C RAMP S.E. COR. RIDGECREST
16 + 53.30	"	16 + 60.88	RT	62.14	6.90	W/C RAMP S.W. COR. PRIVATE DR.
19 + 82.10	"	19 + 94.10	LT	78.93	8.77	W/C RAMP N.W. COR. MEDEIRA
20 + 29.80	"	20 + 41.80	LT	78.93	8.77	W/C RAMP N.E. COR. MEDEIRA
23 + 08.00	"	23 + 20.00	LT	78.93	8.77	W/C RAMP N.W. COR. PALOMAS
26 + 93.00	"	27 + 14.00	LT	126.00	14.00	REPLACE EXIST W/C RAMP
26 + 93.00	"	27 + 14.00	RT	126.00	14.00	REPLACE EXIST W/C RAMP
28 + 21.00	"	28 + 24.00	RT	24.00	2.67	REPLACE SIDEWALK DRAIN
29 + 73.50	"	29 + 85.50	LT	78.93	8.77	W/C RAMP N.W. COR. VALENCIA
33 + 24.00	"	33 + 36.00	RT	72.00	8.00	REPLACE HAZARDOUS SIDEW.
35 + 36.00	"	35 + 46.00	LT	60.00	6.67	REPLACE HAZARDOUS SIDEW.
36 + 29.10	"	36 + 41.10	LT	76.77	8.53	W/C RAMP N.W. COR. PRIVATE DR.
36 + 84.00	"	36 + 99.00	LT	86.46	9.61	W/C RAMP N.E. COR. PRIVATE DR.
39 + 56.00	"	39 + 58.00	AS LT	4.00	0.44	CONCRETE MAST ARM BASE
39 + 62.50	"	39 + 77.50	LT	109.02	12.11	W/C RAMP N.W. COR. SAN PEDRO
39 + 65.50	"	39 + 79.50	RT	78.93	8.77	W/C RAMP S.W. COR. SAN PEDRO
40 + 25.90	"	40 + 37.90	LT	78.93	8.77	W/C RAMP N.E. COR. SAN PEDRO
40 + 27.70	"	40 + 39.70	RT	78.93	8.77	W/C RAMP S.E. COR. SAN PEDRO
M-4078(1) TOTAL				1967.15	218.57	
USE					225	
SHEET TOTAL				2208.93	245.44	
USE					255	

663102
REMOVE & RESET EXISTING FIRE HYDRANT

STATION	LOC.	NS	DESCRIPTION
16 + 52.00	54' LT	1	N.W. CORNER ORTIZ
19 + 85.00	55' LT	1	N.W. CORNER MEDEIRA
23 + 13.50	57' LT	1	N.W. CORNER PALOMAS
M-4078(1) TOTAL 3			

SUMMARY OF SIGNALIZATION QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	COA 3GT1	M-4078(1)	PROJECT TOTAL
504010	REINFORCING BARS GRADE 40	LB.	68	106	174
509050	STRUCTURAL CONCRETE CLASS "A"	CU.YD.	2.08	3.26	5.34
709030	RIGID ELECTRICAL CONDUIT - 2"	LIN.FT.	1655	2905	4560
709040	RIGID ELECTRICAL CONDUIT - 3"	LIN.FT.	585	410	995
710010	ELECTRICAL PULL BOX	EACH	12	12	24
662113	INTERCONNECT MANHOLE	EACH	1	1	2
713040	LOOP DETECTOR WIRE	LIN.FT.	350	650	1000
713050	LOOP LEAD-IN CABLE	LIN.FT.		30	30
713060	DETECTOR SAW CUT	LIN.FT.	350	650	1000

663101
FIRE HYDRANT

STATION	LOC.	NS	DESCRIPTION
6 + 66.00	44' RT	1	SW CORNER OF TRUMAN
COA 3GT1 TOTAL 1			

609074
CONCRETE VALLEY GUTTER - 72"

STATION	TO	STATION	LIN.FT.	LOC.	DESCRIPTION
0 + 15.40	"	0 + 46.60	31.20	LT	N. SIDE GIBSON @ JACKSON
6 + 78.30	"	7 + 11.90	33.60	LT	N. SIDE GIBSON @ TRUMAN
3GT1 TOTAL					64.80
USE					70
16 + 60.00	"	17 + 03.80	43.80	LT	N. SIDE GIBSON @ ORTIZ
16 + 63.50	"	16 + 92.50	29.00	RT	S. SIDE GIBSON @ PRIVATE DR.
19 + 94.10	"	20 + 29.80	35.70	LT	N. SIDE GIBSON @ MADEIRA
23 + 20.00	"	23 + 35.00	45.00	LT	N. SIDE GIBSON @ PALOMAS
29 + 85.50	"	30 + 24.30	38.80	LT	N. SIDE GIBSON @ VALENCIA
33 + 10.00	"	33 + 55.70	45.70	LT	N. SIDE GIBSON @ CARDENAS
36 + 38.10	"	36 + 84.00	45.90	LT	N. SIDE GIBSON @ PRIVATE DR.
M-4078(1) TOTAL					283.30
USE					290
SHEET TOTAL					348.70
USE					360

664180
ADJUST MANHOLE TO GRADE

STATION	LOCATION	QUANTITY	REMARKS
0 + 29.50	40' RT	ONE	
11 + 88.00	40' RT	"	
13 + 24.00	16' LT	"	
3GT1 TOTAL 3			
16 + 77.00	9' RT	ONE	
20 + 15.50	9' RT	"	
20 + 95.00	9' RT	"	
23 + 41.00	9' RT	"	
23 + 50.50	9' RT	"	
26 + 72.50	9' RT	"	
30 + 03.50	3' RT	"	
33 + 31.50	3' RT	"	
36 + 63.00	2' RT	"	
36 + 63.00	55' LT	"	
39 + 94.00	2' RT	"	
M-4078(1) TOTAL 11			
SHEET TOTAL 14			

664175
ADJUST VALVE BOX TO GRADE

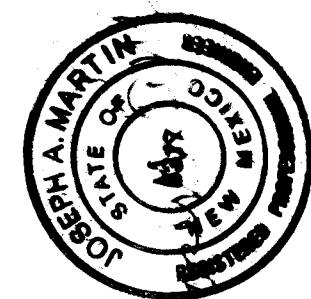
STATION	LOCATION	QUANTITY	REMARKS
0 + 19.00	6' LT	ONE	WATER VALVE
0 + 21.50	31' LT	"	"
0 + 21.50	64' LT	"	"
0 + 25.00	6' LT	"	"
6 + 83.00	38' LT	"	"
6 + 83.00	60' LT	"	"
12 + 44.50	33' RT	"	"
12 + 58.50	6' RT	"	"
12 + 71.50	35' RT	"	"
13 + 19.50	17' RT	"	"
13 + 26.50	28' LT	"	"
13 + 47.00	31' LT	"	"
14 + 09.00	45' RT	"	"
3GT1 TOTAL 13			
15 + 19.00	9' LT	ONE	WATER VALVE
16 + 75.50	23' LT	"	"
16 + 75.50	33' LT	"	"
19 + 97.20	24' LT	"	"
19 + 97.20	52' LT	"	"
20 + 68.50	9' LT	"	"
23 + 21.00	15' LT	"	"
23 + 23.00	57' LT	"	"
23 + 26.00	19' LT	"	"
23 + 32.00	15' LT	"	"
26 + 61.00	18' LT	"	"
29 + 94.70	18' LT	"	"
33 + 02.00	13' LT	"	"
33 + 21.00	18' LT	"	"
33 + 24.00	13' LT	"	"
36 + 50.00	18' LT	"	"
39 + 64.00	48' RT	"	"
39 + 81.50	27' LT	"	"
39 + 92.00	13' LT	"	"
M-4078(1) TOTAL 19			
SHEET TOTAL 32			

C of A PWD Maps & Records

1 2 3 4 5 6 7 8 9 10 11 12
26 36 71 19 11

"AS-BUILTS"

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	BY	DATE	DATE	DATE	DATE
STARTED BY	DATE	NO.	BY	DATE	DATE	DATE	DATE
ACCEPTED BY	DATE	NO.	BY	DATE	DATE	DATE	DATE
FIELD	DATE	NO.	BY	DATE	DATE	DATE	DATE
ADJUSTED BY	DATE	NO.	BY	DATE	DATE	DATE	DATE
CORRECTED BY	DATE	NO.	BY	DATE	DATE	DATE	DATE
RECORDED BY	DATE	NO.	BY	DATE	DATE	DATE	DATE



DATE	REVISIONS	DESIGN
5-10-91	1	1
5-11-93	2	2
9-7-97	3	3
9-5-99	4	4
9-5-99	5	5
9-5-99	6	6
9-5-99	7	7
9-5-99	8	8
9-5-99	9	9
9-5-99	10	10
9-5-99	11	11
9-5-99	12	12
9-5-99	13	13
9-5-99	14	14
9-5-99	15	15
9-5-99	16	16
9-5-99	17	17
9-5-99	18	18
9-5-99	19	19
9-5-99	20	20
9-5-99	21	21
9-5-99	22	22
9-5-99	23	23
9-5-99	24	24
9-5-99	25	25
9-5-99	26	26
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9-5-99	30	30
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9-5-99	35	35
9-5-99	36	36
9-5-99	37	37
9-5-99	38	38
9-5-99	39	39
9-5-99	40	40
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9-5-99	94	94
9-5-99	95	95
9-5-99	96	96
9-5-99	97	97
9-5-99	98	98
9-5-99	99	99
9-5-99	100	100

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: GENERAL NOTES & MISCELLANEOUS QUANTITIES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	R. W. Kane	10/1/97			
Trans. Dev.	N.A. RWD	9-20-97			
Utility Dev.	R.W. Kane	10-18-97			
DRAWING NO.	M-4078(1)	MAP NO.	L-17-Z	SHEET	OF
	8 COA-3671		L-18-Z	2-5	

GENERAL NOTES (CONT.)

- 35 NOISE SUPPRESSION DEVICES SHALL BE KEPT IN WORKING ORDER ON ALL EQUIPMENT IN ACCORDANCE WITH ALL FEDERAL AND STATE REGULATIONS AND CITY ORDINANCES THROUGHOUT THE COURSE OF CONSTRUCTION.
- 36 LOVELACE MEDICAL CENTER'S MAGNETIC RESONANCE IMAGING (MRI) FACILITY IS LOCATED AT THE FAR NORTHEAST CORNER OF THE LOVELACE COMPLEX. THE CONTRACTOR SHALL COORDINATE WITH LOVELACE MEDICAL CENTER AND ADJUST HIS WORK SCHEDULE TO ASSURE THAT HEAVY CONSTRUCTION MACHINERY DOES NOT INTERFERE WITH SENSITIVE EQUIPMENT SITUATED INSIDE THE MRI FACILITY.
- 37 AN EMERGENCY ENTRANCE FOR LOVELACE MEDICAL CENTER IS LOCATED ON GIBSON BLVD. DURING CONSTRUCTION IT MAY BECOME NECESSARY TO USE AN ALTERNATE EMERGENCY ENTRANCE VIA RIDGECREST DRIVE. DURING THE CONSTRUCTION OF THIS PROJECT LOVELACE MEDICAL CENTER PLANS TO DEMOLISH AN OLD BUILDING LOCATED WITHIN ITS PROPERTY. DURING DEMOLITION OF THIS BUILDING USE OF RIDGECREST DRIVE AND THE PARKING LOT ADJACENT TO THE BUILDING TO BE DEMOLISHED WILL NOT BE AVAILABLE AS AN EMERGENCY ENTRANCE. THEREFORE, THE CONTRACTOR SHALL COORDINATE HIS WORK SCHEDULE WITH LOVELACE OFFICIALS TO ASSURE THAT EITHER A GIBSON BLVD. OR A RIDGECREST DRIVE EMERGENCY ENTRANCE IS AVAILABLE AT ALL TIMES.

STRUCTURE QUANTITIES

STATION	STRUCTURE	CU.YD.	* FOR INFORMATION OF THE CONTRACTOR ONLY.									
			EXCAVATION FOR MINOR STRUCTURES	24" REINFORCED CONCRETE PIPE CLASS IV	48" REINFORCED CONCRETE PIPE CLASS IV	DROP INLET TYPE I	DROP INLET TYPE II	DROP INLET (MEDIAN)	MANHOLE TYPE E 6" DIA. MIN. 10' DEPTH	MANHOLE TYPE E 10" DIA. MIN. 10' DEPTH	POLY-VINYL CHLORIDE PIPE 18"	
30 + 57.00	BUILD I-SPECIAL DES. D.I.-TYPE I 44.0' RT. & CONST. W/ 26 LIN.FT. OF 18" POLYVINYL CHLORIDE PIPE	8039		1							26	
30 + 36.50	BUILD I-MANHOLE TYPE E - 6' DIA. 25' RT. & CONST. W/ 238 LIN.FT. OF 24" REINFORCED CONCRETE PIPE CLASS IV	37231	238					1				
33 + 39.50	BUILD I-MANHOLE TYPE E - 6' DIA. 25' RT. & CONST. W/ 86 LIN.FT. OF 48" REINF. CONCRETE PIPE CLASS IV	19199	86						1			
33 + 90.00	BUILD MEDIAN DROP INLET 8' RT. & CONSTRUCTION W/ 48 LIN.FT. OF 18" POLYVINYL CHLORIDE PIPE	9635					1				48	
35 + 31.50	BUILD I-MANHOLE TYPE E - 6' DIA. 25' RT. & CONST. W/ 186 LIN.FT. OF 24" REINFORCED CONCRETE PIPE CLASS IV	31553	186					1	1			
35 + 35.00	BUILD I-SPECIAL DES. D.I.-TYPE II 44.0' RT. & CONST. W/ 18 LIN.FT. OF 18" POLYVINYL CHLORIDE PIPE	3921				1					18	
35 + 87.00	BUILD I-SPECIAL DES. D.I.-TYPE II 44.0' RT. & CONST. W/ 52 LIN.FT. OF 18" POLYVINYL CHLORIDE PIPE	7351				1					52	
PROJECT M-4078 (1) TOTAL USE		116925 1200	424 424	86 86	1 1	2 2	1 1	2 2	1 1		144 144	

* FOR INFORMATION OF THE CONTRACTOR ONLY.

LOOP VEHICLE DETECTOR

ITEM NUMBER					713040	713050	713060
DESCRIPTION					LOOP DETECTOR WIRE	LOOP LEAD-IN CABLE	DETECTOR SAW CUT
LOC.	STATION	TO	STATION	L X W	LIN. FT.	LIN. FT.	LIN. FT.
E.B.L.	4 + 60.00	"	4 + 66.00	6' X 34'	80.00		80.00
W.B.L.	7 + 43.00	"	7 + 83.00	6' X 40'	92.00		92.00
W.B.L.	8 + 63.00	"	8 + 69.00	6' X 31'	74.00		74.00
E.B.L.	11 + 78.00	"	11 + 84.00	6' X 33'	90.00		90.00
COA 3671 TOTAL USE					336.00 350		336.00 350
RT	14 + 13.00	"	14 + 48.00	6' X 35'	90.00		90.00
E.B.L.	39 + 27.00	"	39 + 62.00	6' X 35'	82.00		82.00
LT	39 + 31.00	"	39 + 87.00	6' X 40'	92.00		92.00
RT	39 + 33.00	"	39 + 39.00	6' X 40'	92.00		92.00
RT	40 + 04.00	"	40 + 10.00	6' X 40'	92.00		92.00
RT	40 + 16.00	"	40 + 22.00	6' X 40'	92.00		92.00
RT	40 + 23.00	"				25.00	92.00
W.B.L.	40 + 42.00	"	40 + 82.00	6' X 40'	92.00		92.00
M-4078 (1) TOTAL USE					632.00 650	25.00 30	632.00 650

(BY OTHERS)
GAS VALVE ADJUSTMENT

STATION	LOC.	QUANTITY	REMARKS
33 + 30	45 RT. &	ONE	SIDEWALK RECONST.
TOTAL		1	

FOR INFORMATION OF THE CONTRACTOR ONLY.
SEE GENERAL NOTE NO. 10.

EARTHWORK SUMMARY

STATION	TO	STATION	EXCAVATION CU. YD.	BORROW CU. YD.	EMBANKMENT CU. YD.	SHRINK CU. YD.	REMARKS
0 + 16.00	"	14 + 10	825	900	0	0	COA 3671
14 + 10.00	"	41 + 00	1550	2100	0	0	M-4078(1)
COA 3671 TOTAL USE			825	900			
M-4078(1) TOTAL USE			1550	2100			

RIGID ELECTRICAL CONDUIT

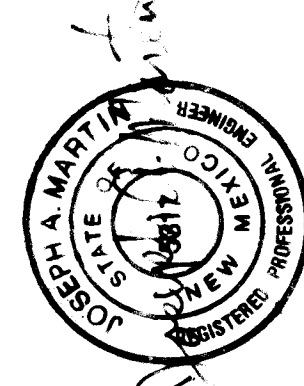
RUN No.	LIN. FT.	SIZE	TYPE	REMARKS
1	100	3"	R.E.C.	P.B. TO P.B.
2	280	2"	"	P.B. TO P.B.
3	225	2"	"	P.B. TO P.B.
4	210	2"	"	P.B. TO P.B.
5	50	3"	"	P.B. TO P.B.
6	10	2"	"	M.A. TO P.B.
7	25	2"	"	EXIST. CONDUIT TO P.B.
8	60	3"	"	P.B. TO P.B.
9	15	3"	"	P.B. TO P.B.
10	55	3"	"	P.B. TO P.B.
11	15	2"	"	M.H. TO PED. BASE
12	10	2"	"	M.H. TO ELEC. METER
13	40	2"	"	METER TO PED. BASE
14	75	3"	"	P.B. TO P.B.
15	45	3"	"	P.B. TO P.B.
16	35	3"	"	P.B. TO P.B.
17	5	2"	"	P.B. TO MASTARM
18	25	2"	"	P.B. TO EXIST. CONDUIT
19	240	2"	"	P.B. TO P.B.
20	225	2"	"	P.B. TO P.B.
21	200	2"	"	P.B. TO P.B.
22	20	2"	"	P.B. TO PED. BASE
23	125	2"	"	P.B. TO EQUATION
24	250	2"	"	EQUATION TO P.B.
25	90	3"	"	P.B. TO EQUATION
26	25	3"	"	EQUATION TO P.B.
27	10	2"	"	M.A. TO P.B.
28	350	2"	"	P.B. TO P.B.
29	350	2"	"	P.B. TO P.B.
30	350	2"	"	P.B. TO P.B.
31	350	2"	"	P.B. TO P.B.
32	350	2"	"	P.B. TO P.B.
33	350	2"	"	P.B. TO P.B.
COA 3671 TOTAL 2" 1655 LIN.FT.				
COA 3671 TOTAL 3" 585 LIN.FT.				
M-4078(1) TOTAL 2" 2905 LIN.FT.				
M-4078(1) TOTAL 3" 410 LIN.FT.				
PROJECT TOTAL 2" 4560 LIN.FT.				
PROJECT TOTAL 3" 995 LIN.FT.				

C of A PWD Maps & Records

26 36 71 12 9 1

"AS-BUILTS"

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	KYLE CORP.	DATE		NO.	BY	DATE	
WORK BY CONTRACTOR		DATE					
INSPECTION		DATE					
ACCEPTANCE BY AGENCY		DATE					
FIELD DRAWINGS		DATE					
CORRECTED BY		DATE					
RECORDED BY		DATE					
NO							



DATE	REVISIONS	BY
05-10-91	"AS-BUILT" DRAWING	
01-12-89	DELETE PAVEMENT REMOVAL	GMK
07-85	DELETE 18" R.C.P.	GMK
05	ADD ITEM 203010 - BORROW	GMK
01-89	ADD LOOP DET. @ RIDGECREST	GMK
01-89	ADD "BY OTHERS" TO GAS VALVE ADJ.	GMK
01-89	REV SCHEDULE FOR ITEM 203010	GMK
01	REV SCHEDULE FOR ITEM 203010	GMK
NO.	DATE	
DESIGNED BY	DATE	
DRAWN BY	DATE	
CHECKED BY	DATE	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: GENERAL NOTES & STRUCTURE QUANTITIES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Regulation	10/12/89			
Trans. Dev.	N/A RWK	9-20-89			
Utility Dev.	N/A RWK	10-18-89			
DRAWING NO.	M-7048(1) E COA-3671	MAP NO.	L-17-Z L-18-Z	SHEET	OF 2-6

WATERLINE RELOCATION SUMMARY OF QUANTITIES				TRANSITION COUPLING ~ 2 1/2" TRANSITION COUPLING ~ 6" TRANSITION COUPLING ~ 8" TRANSITION COUPLING ~ 12" TRANSITION COUPLING ~ 20" CROSS 12" X 8" CROSS 20" X 12" TAPPING SADDLE ~ 8" MAIN BENDS ~ 6" (22 1/2°) BENDS ~ 8" (30°) BENDS ~ 12" (22 1/2°) REDUCING BEND 12" X 8" (30°) BENDS ~ 12" (22 1/2°) BENDS ~ 12" (30°) BENDS ~ 20" (11 1/4°) W/ RESTRAINED JT. BENDS ~ 20" (22 1/2°) W/ RESTRAINED JT. BENDS ~ 20" (45°) W/ RESTRAINED JT. 20" X 8" WYE REDUCER 6" X 2 1/2" REDUCER 12" X 6" REDUCER 12" X 8" REDUCER 20" X 8" W/ RESTRAINED JT. REDUCER 20" X 16" 8" X 6" TEE 8" X 8" TEE 12" X 12" TEE 20" X 6" TEE 20" X 8" TEE W/ RESTRAINED JT. 20" X 20" X 20" TEE W/ RESTRAINED JT.																														
STATION	TO	STATION	LOC.	DESCRIPTION	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		
0 + 13.00	"	13 + 20.00	G'LT.	CONNECT NEW MAIN TO EXISTING					1												2											1		
0 + 13.00	"	3 + 58.00	34'LT.	CONNECT TO EXISTING LINE		1		1		1					1									1				1						
0 + 13.00	—	—————	64'LT.	REMOVE EXISTING VALVE & BOX																														
3 + 58.00	—	—————	37'LT.	CONNECT TO EXISTING LINE		1																												
5 + 57.00	—	—————	37'LT.	CONNECT TO EXISTING LINE							1																							
6 + 61.00	—	—————	37'LT.	INSTALL NEW VALVE & BOX																														
6 + 66.00	—	—————	44'RT.	NEW FIRE HYDRANT										1																				
6 + 82.00	—	—————	37'LT.	CONNECT TO EXISTING LINE	1																		1											
11 + 32.00	—	—————	17'LT.	CONNECT TO EXISTING LINE							1																							
12 + 59.00	TO	12 + 71.00	RT.	NEW MAIN			1	1											1									1						
13 + 20.00	"	14 + 49.00	LT.&RT	CONNECT TO EXISTING LINES		1	2	1			1				2		1	1	1	1			1		1	2				1			2	
15 + 19.00	—	—————	21'LT.	CONNECT TO EXISTING LINE		1																												
16 + 75.00	—	—————	LT.	CONNECT TO EXISTING LINE																											1			
19 + 03.00			LT.	CONNECT TO EXISTING LINE																											1			
20 + 68.00			21'LT.	CONNECT TO EXISTING LINE																											1			
13 + 20.00	TO	23 + 05.00	15'LT.	NEW MAIN CONNECT TO EXISTING			</																											

	CUYD	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LIN.FT.	LIN.FT.	LIN.FT.	EACH	EACH	EACH	EACH	EACH	F.S.	EACH	EACH	EACH	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.		
CONCRETE BLOCKING FIRE HYDRANT	0.60																									
8" PLUG	3	1	1		1					360			1	1		2						15	1415	35	1360	
12" PLUG							-																			
NON-PRESSURE CONNECTION ~ G.																										
NON-PRESSURE CONNECTION ~ 8"																										
NON-PRESSURE CONNECTION ~ 12"																										
NON-PRESSURE CONNECTION ~ 16"																										
DISCONNECT & REMOVE 8" WATERLINE										200											1					
DISCONNECT & REMOVE 12" ST. CYL WATERLINE																										
GATE VALVE ~ Q"																										
GATE VALVE ~ 8"																										
BUTTERFLY VALVE ~ 20"																										
VALVE BOX W/ COVER TYPE A																										
AIR RELEASE VALVE 2"~ AND APURTENANCES																										
REMOVE EXISTING VALVE 12"x6" WYE																										
SINGLE SERVICE CONN. TRANSFER																										
8" WATERLINE																										
12" WATERLINE																										
20" WATERLINE																										
	17.75 20	1 1	1 1	3 3	10 10	4 4	1 1	1 1	2 2	100 125	1465 1480	2315 2325	7 7	5 5	5 5	3 3	20 20	15 15	1 1	12 12	1 1	2 2	65 70	1415 1425	185 200	2420 2500

TITLE: WATERLINE RELOCATION QUANTITIES AND SIGNALIZATION SCHEDULE					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>R. W. Kane</i>	<i>12/18/89</i>			
Trans. Dev	<i>N/A PHD</i>	<i>10-18-88</i>			
Utility Dev	<i>R.W. Kane</i>	<i>10-18-89</i>			
DRAWING M-2078 (1)		MAP NO.	SHEET OF		
NO. 6 COA 3671		L-17 L-18 6	2-7		

SURF. PIT NO. UNDESIGNATED				F.H.W.A. Region No.	STATE	M-4078(1) COA 3671	SHEET NO.	TOTAL SHEETS
REVISIONS OR CHANGE NOTICES				6	NEW MEXICO		2-7	
NO.	DESCRIPTION	DATE	BY					
1	"AS-BUILT" DRAWING	05-10-91	MTE					
2								

GIBSON BLVD. CITY OF ALBUQUERQUE

HYDRATED LIME WILL BE REQUIRED TO MEET DESIGN REQUIREMENTS FOR PLANT MIX BITUMINOUS PAVEMENT. EITHER HYDRATED LIME OR LIQUID ANTI STRIP WILL BE REQUIRED TO MEET DESIGN REQUIREMENTS FOR OGFC.

NATURAL FINES PASSING THE NO. 4 SCREEN ARE TO BE PRESCREENED DURING PMBP PRODUCTION AND PLACED IN A SEPARATE STOCKPILE. CRUSHED COARSE AND FINE AGGREGATES PRODUCED FOR PMBP ARE ALSO TO BE STOCKPILED SEPARATELY.

THE LIQUID LIMIT AND SAND EQUIVALENT OF THE ASPHALT CONCRETE AGGREGATE WILL BE DETERMINED FROM REPRESENTATIVE SAMPLES TAKEN AFTER THE AGGREGATE MATERIALS HAVE BEEN BLENDED AND PRIOR TO MIXING WITH BITUMINOUS MATERIALS.

"NO MATERIALS PIT HAS BEEN DESIGNATED FOR THIS PROJECT. THE CONTRACTOR MAY OBTAIN SURFACING MATERIAL FROM ANOTHER PROJECT, COMMERCIAL SOURCES, OR ANY OTHER SOURCE AFTER APPROVAL BY THE MATERIALS LABORATORY BUREAU, AND THE DISTRICT ENGINEER. ANY ENVIRONMENTAL AND LEGAL CLEARANCES THAT MAY BE REQUIRED MUST BE OBTAINED BY THE CONTRACTOR. ALL MATERIALS PIT ACTION SHALL BE GOVERNED BY THIS NOTE AND BY SECTION 106 OF THE STANDARD SPECIFICATIONS."

THE MATERIAL PIT DATA INDICATED HEREON IS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL DETERMINE THE ACCURACY OF THE INFORMATION AND THE REQUIREMENTS NECESSARY TO PRODUCE SPECIFICATION MATERIALS.

EXCLUSIVE RIGHTS TO PIT NO. UNDESIGNATED ARE NOT GRANTED TO THE CONTRACTOR UNDER THIS CONTRACT AND THE STATE MAY ASSIGN PORTIONS OF THE PIT TO OTHER PROJECTS FOR THE PRODUCTION OF AGGREGATES. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE MINIMUM AREA, DESIGNATED BY THE ENGINEER, NECESSARY TO PRODUCE THE AGGREGATE FOR THIS PROJECT.

REQUIREMENTS FOR TREATED & UNTREATED SURFACING

ADDITIVES REQUIRED: SEALING ASPHALT _____ % CONCENTRATE GRADE-HEAT STABLE.
ESTIMATE FOR PRIME COAT: USE 35-55 GALLONS SPEC. 408 PER SQUARE YARD
ESTIMATE FOR TACK COAT: USE 02-15 GALLONS SPEC. 407 PER SQUARE YARD

% PLANT MIX BITUM. PAVEMENT 5.5 % GO-TO-BIT. MAT. R. WGT. OF TOTAL MIX
ASPHALT P. MIX BITUM. BINDER COURSE _____ BY WGT. OF TOTAL MIX
RECOMM. OPEN GRADED FRICTION COURSE 6.8 % GO-TO-BIT. MAT. R. WGT. OF TOTAL MIX

SURFACE TREATMENT: _____

1ST. COURSE _____ GALS. _____ SQ. YARD _____ LBS. OF AGGREGATE PER SQUARE YARD
2ND. COURSE _____ GALS. _____ SQ. YARD _____ LBS. OF AGGREGATE PER SQUARE YARD

SPECIFICATIONS FOR SURFACING AGGREGATES (% PASSING)

SIEVE SIZE	BASE COURSE	PLANT MIX BITUMINOUS PAVEMENT 1-B	OPEN GRADED FRICTION COURSE
	1 1/2"		
1"	100		
3/4"	80 - 100	100	
5/8"			
1/2"		80 - 100	100
3/8"		70 - 90	90 - 100
No. 4	30 - 60	50 - 65	25 - 55
No. 10	20 - 45	32 - 45	0 - 10
No. 40		10 - 22	0 - 8
No. 80			
No. 200	3 - 10	3 - 8	0 - 4
L.L.	25 OR LESS	SANDY	
P.I.		NIP	
WEAR	50 OR LESS	40 OR LESS	40 OR LESS
S.L.%	18 OR LESS	15 OR LESS	12 OR LESS
F.F.%	50 OR MORE	75 OR MORE	75 OR MORE

UNIT WEIGHT OF UNGRADED SURFACING _____ = 3850 LBS. PER CUBIC YARD
UNIT WEIGHT OF PLANT MIX BITUM. PAVEMENT _____ = 3700 LBS. PER CUBIC YARD
UNIT WEIGHT OF _____ = _____ LBS. PER CUBIC YARD
UNIT WEIGHT OF OPEN GRADED FRICTION COURSE _____ = 3600 LBS. PER CUBIC YARD

DEVELOPMENT RECOMMENDATIONS FOR THE PRODUCTION OF SURFACING MATERIALS BASED ON:

1- SAMPLES AND LOGS FROM THE INDICATED TEST HOLES.
2- STRIPPING OVERLAP TO THE DEPTHS RECOMMENDED.
3- WORKING A VERTICAL FACE, EXPOSING THE APPROVED PRODUCTION DEPTH IN ONE LIFT AFTER STRIPPING AS RECOMMENDED.

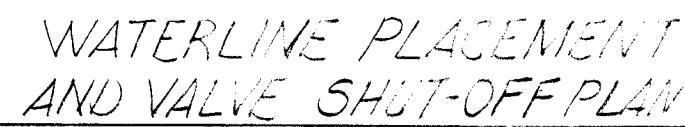
CONCRETE AGGREGATES MAY BE OBTAINED FROM APPROVED COMMERCIAL SOURCES OR FROM ANY OTHER SOURCE WHEN TESTED AND APPROVED BY THE CENTRAL LABORATORY.

MIXING WATER FOR PORTLAND CEMENT CONCRETE, CEMENT TREATED BASE COURSE ETC. MAY BE OBTAINED FROM ANY SOURCE WHEN TESTED AND APPROVED BY THE CENTRAL LABORATORY.

C of A PWD Maps & Records

1 2 3 4 5 6 7 8 9 10 11 12
26 36 71 14 9 1

"AS-BUILTS"



A. THE NEW 8 INCH WATERLINE IN GIBSON BLVD. BETWEEN JACKSON ST. AND NEW PLAIN VALVE #9 WILL BE PLACED INTO OPERATION FIRST:
 AFTER PLACEMENT OF NECESSARY TRAFFIC CONTROL, INSTALL NEW 8 INCH WATERLINE FROM JACKSON ST. TO VALVE #9. WHEN PIPE IS IN PLACE, EXCEPT FOR THE NECESSARY CONNECTIONS, CLOSE VALVES 1175L-17, 1174L-17, B (IF IT EXISTS), 1133L-17, AND N. RELIEVE PRESSURE AT FIRE HYDRANT 397L-17. MAKE NECESSARY CONNECTIONS AT LOCATIONS (a), (c), (d), e AND MAKE TEMPORARY CONNECTION FROM NEW 8 INCH LINE TO EXISTING 12 INCH LINE WITH 5 INCH VALVE #3. KEEP NEW VALVE #9, TEMPORARY VALVE #19, AND ALL OTHER PREVIOUSLY CLOSED VALVES CLOSED. OPEN VALVE 1175L-17 AND PERFORM NECESSARY TESTING AND DISINFECTING UTILIZING FIRE HYDRANT 397L-17 AS A FLUSH POINT. WHEN TESTING IS COMPLETED, OPEN VALVES 1174L-17, B, 1133L-17 AND TEMPORARY VALVE 19. KEEP VALVE 1133L-17 CLOSED. NEW VALVE #6 SHOULD REMAIN OPEN THROUGHOUT THIS PROCESS. BACKFILL ALL TRENCHES/EXCAVATIONS ACCORDING TO APPROPRIATE SPECIFICATIONS AND PLACE TEMPORARY PAVEMENT. MAX. WATER SHUT-OFF TIME 8 HRS.
 B. THE PORTION OF NEW 20 INCH WATERLINE FROM JACKSON ST. TO NEW VALVE #15 WILL BE PLACED INTO OPERATION NEXT:
 AFTER PLACEMENT OF NECESSARY TRAFFIC CONTROL, INSTALL NEW 20 INCH WATERLINE FROM JACKSON ST. TO NEW VALVE #15, INCLUDING NEW FIRE HYDRANT AT TRUMAN ST. WHEN PIPE IS IN PLACE, EXCEPT FOR NECESSARY CONNECTIONS, CLOSE VALVES 1196L-16, 1197L-16, 751L-17, A, C, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, 855L-18, 865L-18, AND E. RELIEVE PRESSURE AT FIRE HYDRANT 400L-17. MAKE CONNECTIONS AT LOCATION (b) AND TEMPORARY CONNECTION AT LOCATION (f) (VALVE #1). WHEN CONNECTIONS ARE COMPLETED, OPEN VALVES 1197L-16 AND 1196L-16 WHILE KEEPING NEW VALVE #15 AND NEW VALVE #1 CLOSED. PERFORM NECESSARY TESTING AND DISINFECTING UTILIZING NEW FIRE HYDRANT AT S.W. CORNER OF TRUMAN ST. GIBSON BLVD. INTERSECTION. WHEN TESTING IS COMPLETE, OPEN VALVES 751L-17, A, B, CLOSE VALVE C, OPEN TEMPORARY VALVE 15 AND THEN ALSO OPEN VALVES 855L-18, 865L-18, S AND F. KEEP VALVE 15 CLOSED AT THIS TIME.
 C. A PORTION OF THE NEW 20 INCH WATERLINE, THE REMAINDER OF THE 8 INCH WATERLINE AND THE 12 INCH WATERLINE AT THE INTERSECTION OF GIBSON BLVD. WITH SAN MATEO BLVD./RIO CREST DR. WILL BE PLACED INTO OPERATION NEXT:
 THE PLACEMENT OF THE NEW WATERLINE WITHIN THE INTERSECTION WILL NEED TO BE PHASED DUE TO THE HEAVY VEHICULAR USE OF THE INTERSECTION. AT LEAST ONE LANE OF TRAFFIC WILL NEED TO BE OPEN AT ALL TIMES FOR ALL DIRECTIONS. AFTER PLACEMENT OF NECESSARY TRAFFIC CONTROL, MAKE NECESSARY PHASED EXCAVATIONS AND INSTALL THE REMAINING 8 INCH WATERLINE FROM VALVE #9 TO ITS CONNECTION WITH THE NEW 20 INCH WATERLINE. ALSO INSTALL THE PORTION OF 20 INCH WATERLINE FROM VALVE 18 TO VALVE 10 WITHIN THE INTERSECTION AND THE 12 INCH WATERLINE FROM ITS CONNECTION WITH THE 20 INCH WATERLINE TO VALVE #12, ALL WITHOUT MAKING THE NECESSARY CONNECTIONS. WHEN THE INSTALLATIONS ARE COMPLETED, CLOSE VALVES 1194L-17, 1192L-17, 851L-18, TEMPORARY VALVE 19, 1155L-17, H AND M. RELIEVE PRESSURE AT FIRE HYDRANT 400L-17. MAKE NECESSARY CONNECTIONS AT (g), (h), (i) AND (j). WHEN CONNECTIONS ARE COMPLETED, OPEN VALVE 1194L-17 AND VALVE 9 WHILE KEEPING VALVES 11, 13, 10, 1192L-17, 851L-18 AND 12 CLOSED. PERFORM NECESSARY TESTING AND DISINFECTING UTILIZING FIRE HYDRANT 400L-17 AS THE FLUSH POINT. WHEN NECESSARY TESTING IS COMPLETED, OPEN VALVES 1194L-17, 1192L-17, 851L-18, 1191L-17, 11, 12, 13 AND KEEP VALVE 10 CLOSED. MAX. WATER SHUT-OFF TIME 8 HRS.
 D. THE PORTION OF NEW 20 INCH WATERLINE FROM VALVE 10 TO VALVE F WILL BE PLACED INTO OPERATION NEXT:
 AFTER PLACEMENT OF NECESSARY TRAFFIC CONTROL, INSTALL NEW 20 INCH WATERLINE FROM VALVE 10 TO VALVE F WITHOUT MAKING THE NECESSARY CONNECTIONS. WHEN PIPE IS IN PLACE, CLOSE TEMPORARY VALVE (15), 853L-18, 863L-18, E AND F. RELIEVE PRESSURE AT FIRE HYDRANT 400L-17. MAKE NECESSARY CONNECTIONS AT LOCATIONS k, l, m, n AND o. WHEN CONNECTIONS ARE MADE, OPEN VALVE 10 AND PERFORM NECESSARY TESTING AND DISINFECTING UTILIZING FIRE HYDRANT 400L-17. WHEN TESTING IS COMPLETED, OPEN VALVES 853L-18, 863L-18, E AND F.
 E. THE TEMPORARY VALVE AT LOCATION F (VALVE 15) WILL BE REMOVED NEXT:
 AFTER PLACEMENT OF NECESSARY TRAFFIC CONTROL, REMOVE TEMPORARY PAVEMENT AND PERFORM NECESSARY EXCAVATION AT LOCATION F. CLOSE VALVE (4) AND VALVE 18. RELIEVE PRESSURE AT FIRE HYDRANT S.W. CORNER OF GIBSON BLVD. AND TRUMAN ST. INTERSECTION. REMOVE TEMPORARY VALVE 15 AND CONNECTIONS AT LOCATION F AND RECONNECT NEW 20 INCH WATERLINE. OPEN VALVE 4 AND PERFORM NECESSARY TESTING UTILIZING FIRE HYDRANT AT GIBSON/TRUMAN INTERSECTION. WHEN TESTING IS COMPLETED, OPEN VALVE 18. DELIVER TEMPORARY VALVE AND FITTINGS TO THE CITY. MAX. WATER SHUT-OFF TIME 8 HRS.
 F. TEMPORARY VALVE AT LOCATION P (VALVE 19) WILL BE REMOVED NEXT:
 AFTER PLACEMENT OF NECESSARY TRAFFIC CONTROL, REMOVE TEMPORARY PAVEMENT AND PERFORM NECESSARY EXCAVATION AT LOCATION P. CLOSE VALVES 1, 1133L-17 AND 9. RELIEVE PRESSURE AT FIRE HYDRANT 397L-17. REMOVE TEMPORARY VALVE 19 AND RECONNECT NEW 8 INCH WATERLINE. OPEN VALVE (1) AND PERFORM NECESSARY TESTING UTILIZING FIRE HYDRANT 397L-17. WHEN TESTING IS COMPLETED, OPEN VALVES 1133L-17 AND 9. DELIVER TEMPORARY VALVE AND FITTINGS TO THE CITY. MAX. WATER SHUT-OFF TIME 8 HRS.

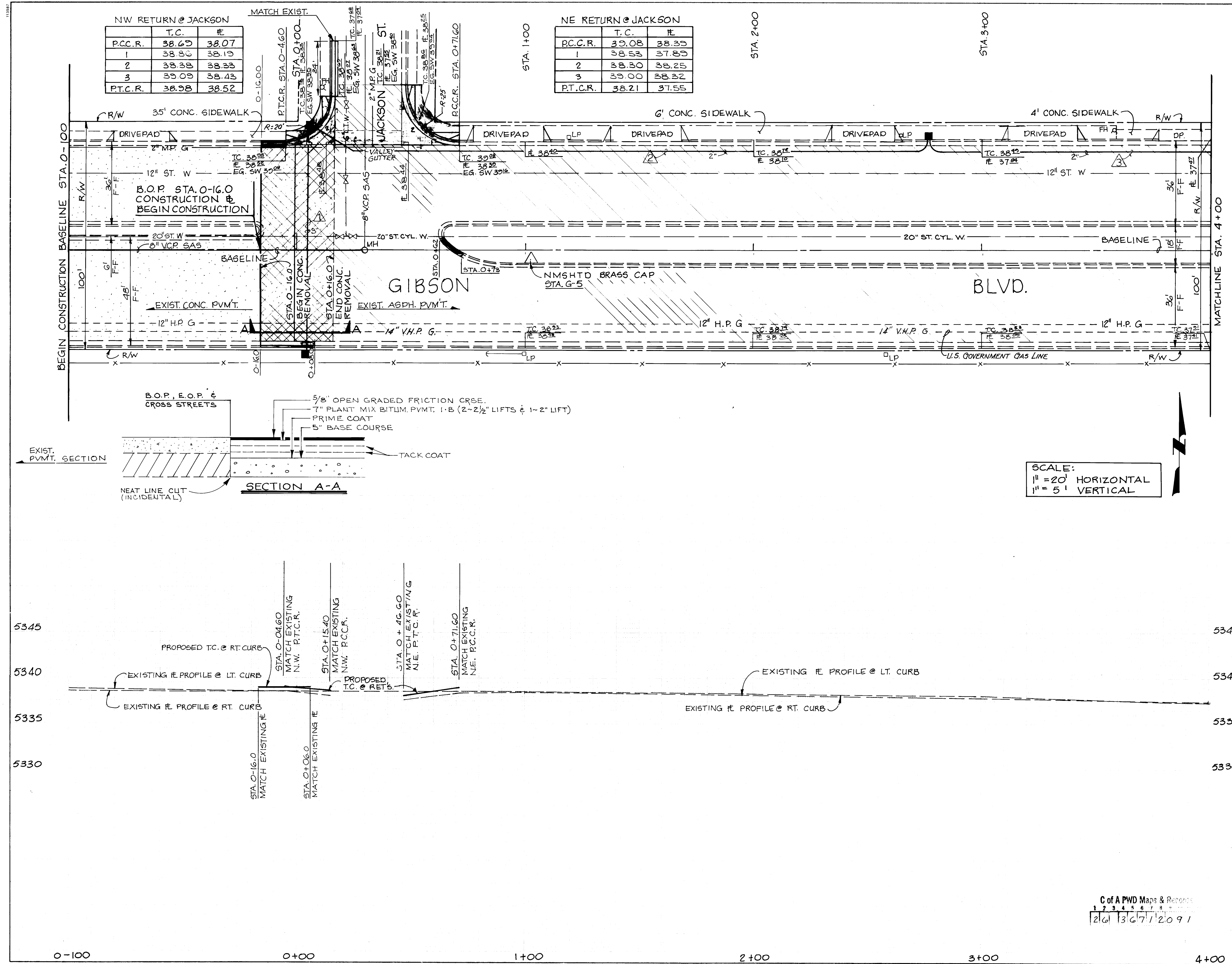
THE MOST UP-TO-DATE INFORMATION REGARDING THE LOCATION OF EXISTING WATERLINES AND WATER VALVES WAS UTILIZED TO DEVELOP THIS WATER SHUT-OFF PLAN. THE CONTRACTOR SHOULD REFER TO GENERAL NOTE 16 FOR ADDITIONAL INFORMATION. AS THERE MAY BE SOME DISCREPANCIES CONCERNING THE LOCATION OF SOME SEGMENTS OF EXISTING WATERLINE AND SOME EXISTING WATER VALVES MAY NOT BE OPERABLE, SOME REVISIONS TO THIS PLAN MAY BE REQUIRED DURING CONSTRUCTION.

A circular professional engineer seal for Joseph A. Martini, State of New Mexico, License No. 15314. The seal features the text "JOSEPH A. MARTINI" around the top inner edge, "STATE OF NEW MEXICO" around the bottom inner edge, and "REGISTERED PROFESSIONAL ENGINEER" around the outer edge. The license number "15314" is prominently displayed in the center.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chair	<i>Ronald Green</i>	<i>10/18/89</i>			
Trans. Dev.	<i>N/A RHD</i>	<i>10-18-89</i>			
Utility Dev.	<i>R.W. Kone</i>	<i>10-18-89</i>			

DRAWING	M-4075(1)	MAP NO.	SHEET	OF
NO.	6 COA-3571		2-5	

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: WATER VALVE SHUT- OFF PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>Reginald G. [Signature]</i>	10/18/89			
Trans. Dev	<i>W.A. RHO</i>	9-20-89			
Utility Dev	<i>R.W. Kame</i>	10-18-89			
DRAWING M-4073(1) NO. E COA-3671			MAP NO. L-18-Z		SHEET OF 2-10



LEGEND:

- CONCRETE SIDEWALK REMOVAL & REPLACEMENT
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PAVEMENT REMOVAL & REPLACEMENT
- NEW WHEELCHAIR RAMP
- CURB AND GUTTER TO BE REMOVED AND REPLACED (MATCH EXIST.)
- EXISTING CURB & GUTTER
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING MAST ARM
- EXISTING PULL BOX
- EXISTING RIGHT OF WAY
- EXISTING CHAIN LINK FENCE
- BASELINE
- NEW STORM DRAIN
- EXIST. SIGNAL CONDUIT
- EXISTING PEDESTAL FOUNDATION
- NEW SIGNAL CONDUIT
- INSTALL MAST ARM FOUNDATION-TYPE II
- INSTALL PEDESTAL FOUNDATION
- INSTALL LARGE PULL BOX
- INSTALL TRAFFIC SIGNAL MANHOLE
- INSTALL QUAD LOOP
- INSTALL METER PEDESTAL
- INSTALL NEW FIRE HYDRANT

AS-BUILT INFORMATION

CONTRACTOR	DATE
SCALE BY	DATE
FIELD ASSESSMENT BY	DATE
DRAWINGS BY	DATE
CHECKED BY	DATE
RECORDED BY	DATE

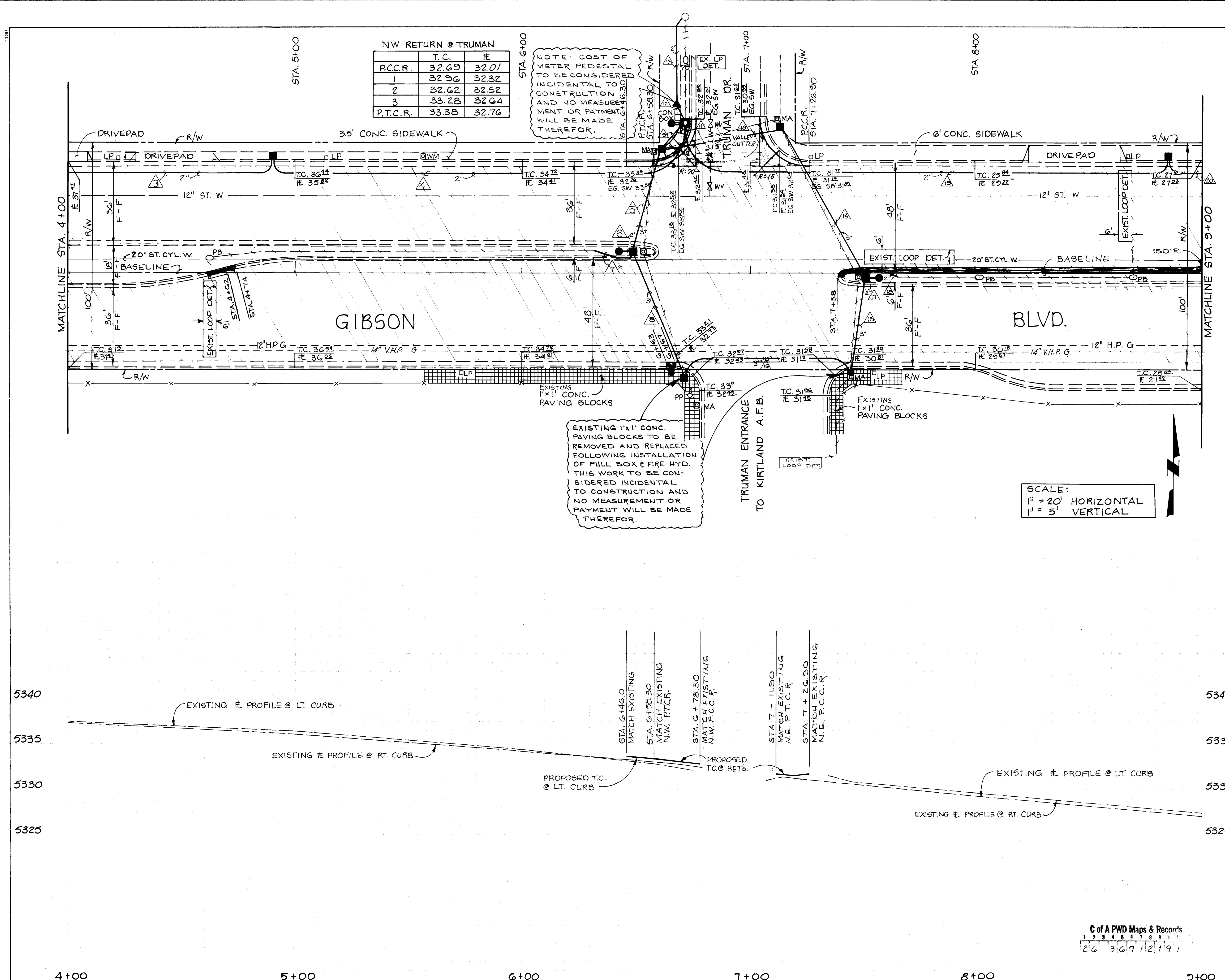
ENGINEER'S SEAL

REVISIONS

NO.	DATE	REVISIONS
4	06/10/91	"AS-BUILT" DRAWING
3	05/4/89	REV. CURB & GUTTER REPLACEMENT
2	05/4/89	CHANGE EXIST. WATER TO 20" STEEL
1	05/1/89	REV. SURFACING CONNECT DETAIL

DESIGN

DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE



NW RETURN @ TRUMAN

P.C.C.R.	T.C.	E
1	32.69	32.01
2	32.62	32.52
3	33.28	32.64
P.T.C.R.	33.38	32.76

NOTE: COST OF METER PEDESTAL TO BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.

EXISTING 1'x1' CONC. PAVING BLOCKS TO BE REMOVED AND REPLACED FOLLOWING INSTALLATION OF PULL BOX & FIRE HYD. THIS WORK TO BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.

SCALE:
1" = 20' HORIZONTAL
1" = 5' VERTICAL

LEGEND:

- CONCRETE SIDEWALK REMOVAL & REPLACEMENT
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PAVEMENT REMOVAL & REPLACEMENT
- NEW WHEELCHAIR RAMP
- CURB AND GUTTER TO BE REMOVED AND REPLACED (MATCH EXIST.)
- EXISTING CURB & GUTTER
- SAS - EXISTING SANITARY SEWER LINE
- W - EXISTING WATER LINE
- G - EXISTING GAS LINE
- MH - EXISTING SANITARY SEWER MANHOLE
- WV - EXISTING WATER VALVE
- WM - EXISTING WATER METER
- FH - EXISTING FIRE HYDRANT
- PP - EXISTING POWER POLE
- DLP - EXISTING LIGHT POLE
- MA - EXISTING MAST ARM
- PB - EXISTING PULL BOX
- R/W - EXISTING RIGHT OF WAY
- X - EXISTING CHAIN LINK FENCE
- BASELINE
- SD - NEW STORM DRAIN
- EXIST. SIGNAL CONDUIT
- EXIST. PEDESTAL FOUNDATION
- NEW SIGNAL CONDUIT
- INSTALL MAST ARM FOUNDATION-TYPE II
- INSTALL PEDESTAL FOUNDATION
- INSTALL LARGE PULL BOX
- INSTALL TRAFFIC SIGNAL MANHOLE
- INSTALL QUAD LOOP
- INSTALL METER PEDESTAL
- INSTALL NEW FIRE HYDRANT

AS-BUILT INFORMATION

CONTRACTOR: KYLE GARR
INSPECTOR: [Signature]
DATE: 10/18/89

BENCH MARKS

A STANDARD NMSTHD BRASS
TABLET SET IN TOP OF CONCRETE POST FLUSH WITH GROUND @ EAST MEDIAN AT THE INTERSECTION OF GIBSON BLVD. & JACKSON ST. SE
GIBSON BLVD. STAMPED "STA. G-5" ELEV. = 5332.556

SURVEY INFORMATION

FIELD NOTES BY: [Signature]
DATE: 10/18/89

ENGINEER'S SEAL

JOSEPH A. MARTIN
REGISTERED PROFESSIONAL ENGINEER
NO. 8317
NEW MEXICO

NO.	DATE	REVISIONS
6	05/10/91	AS-BUILT DRAWING
5	05/11/89	DELETE W/C RAMP NE COR. TRUMAN
4	05/11/89	REV CURB & GUTTER REPLACEMENT
3	05/11/89	ADD NEW FIRE HYD. @ STA. G+CG
2	05/11/89	ADD NOTE: EXIST. 1'x1' CONC. ETC.
1	05/11/89	CHANGE EXIST. WATER TO 20" STEEL

DESIGNED BY: [Signature]
DRAWN BY: [Signature]
CHECKED BY: [Signature]

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

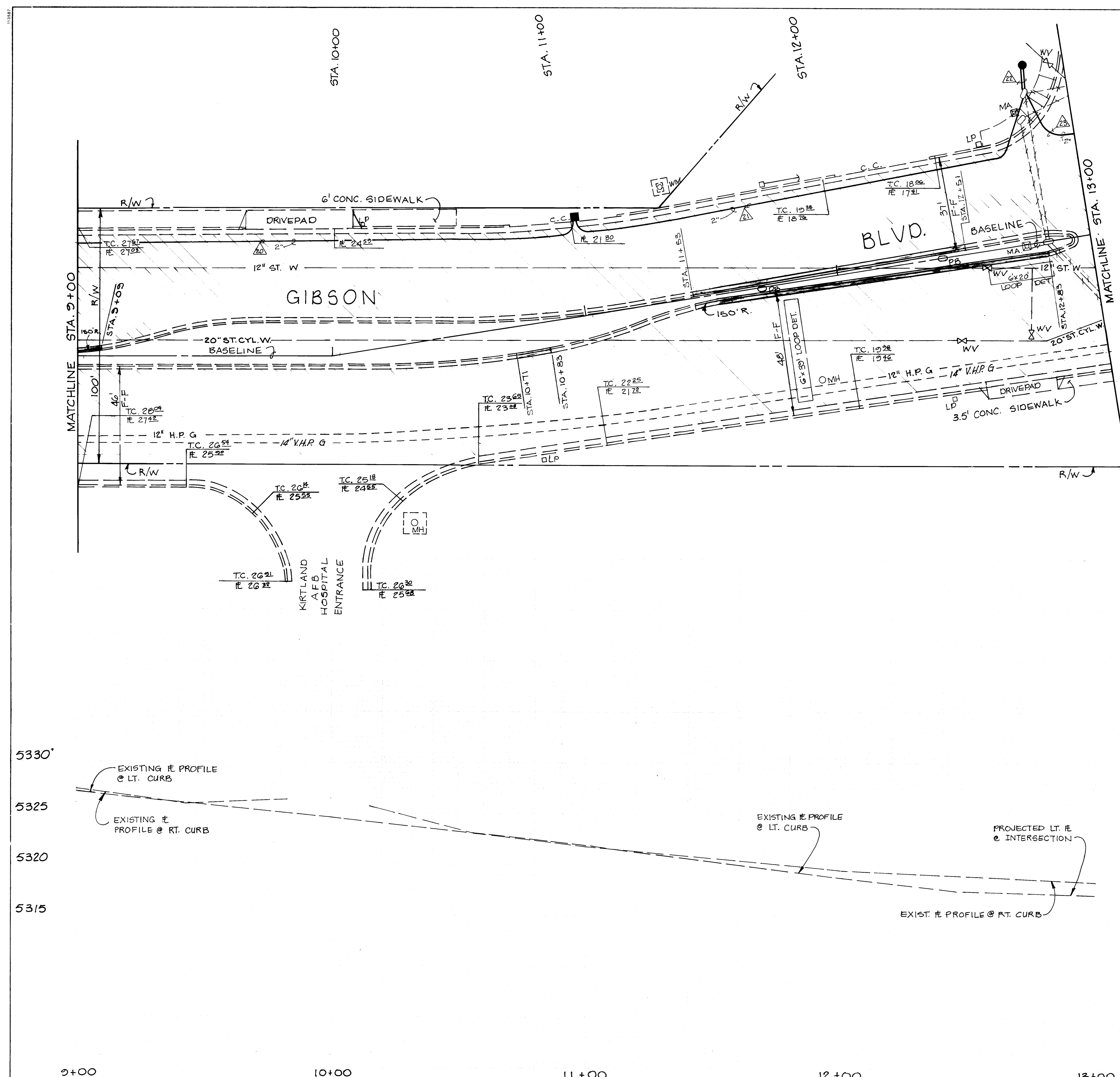
TITLE: GIBSON BLVD.
PLAN & PROFILE
STA. 4+00 TO STA. 9+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chair	[Signature]	10/18/89			
Trans. Dev	[Signature]	9-20-89			
Utility Dev	[Signature]	10-18-89			

DRAWING NO. M-4078(1) 3671
MAP NO. L-17
SHEET 3-2 OF

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
2/6 3/6 7/12 1/9 1

"AS-BUILTS"



SCALE:
1" = 20' HORIZONTAL
1" = 5' VERTICAL

LEGEND:

- CONCRETE SIDEWALK REMOVAL & REPLACEMENT
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PAVEMENT REMOVAL & REPLACEMENT
- NEW WHEELCHAIR RAMP
- CURB AND GUTTER TO BE REMOVED AND REPLACED (MATCH EXIST.)
- EXISTING CURB & GUTTER
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING MAST ARM
- EXISTING PULL BOX
- EXISTING RIGHT OF WAY
- EXISTING CHAIN LINK FENCE
- BASELINE
- NEW STORM DRAIN
- EXIST. SIGNAL CONDUIT
- EXISTING PEDESTAL FOUNDATION
- NEW SIGNAL CONDUIT
- INSTALL MAST ARM FOUNDATION - TYPE II
- INSTALL PEDESTAL FOUNDATION
- INSTALL LARGE PULL BOX
- INSTALL TRAFFIC SIGNAL MANHOLE
- INSTALL QUAD LOOP
- INSTALL METER PEDESTAL
- INSTALL NEW FIRE HYDRANT

AS BUILT INFORMATION

CONTRACT NO.	BY	DATE
NO.	BY	DATE
NO.	BY	DATE

ENGINEER'S SEAL

DATE	BY	REVISIONS
10-10-91	AS-BUILT	DRAWING
9-4-89	REV. CURB & GUTTER REPLACEMENT	G.M.K.
9-4-89	CHANGE EXIST. WATER TO 20" STEEL	G.M.K.
NO.	DATE	BY

REVISIONS

DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE

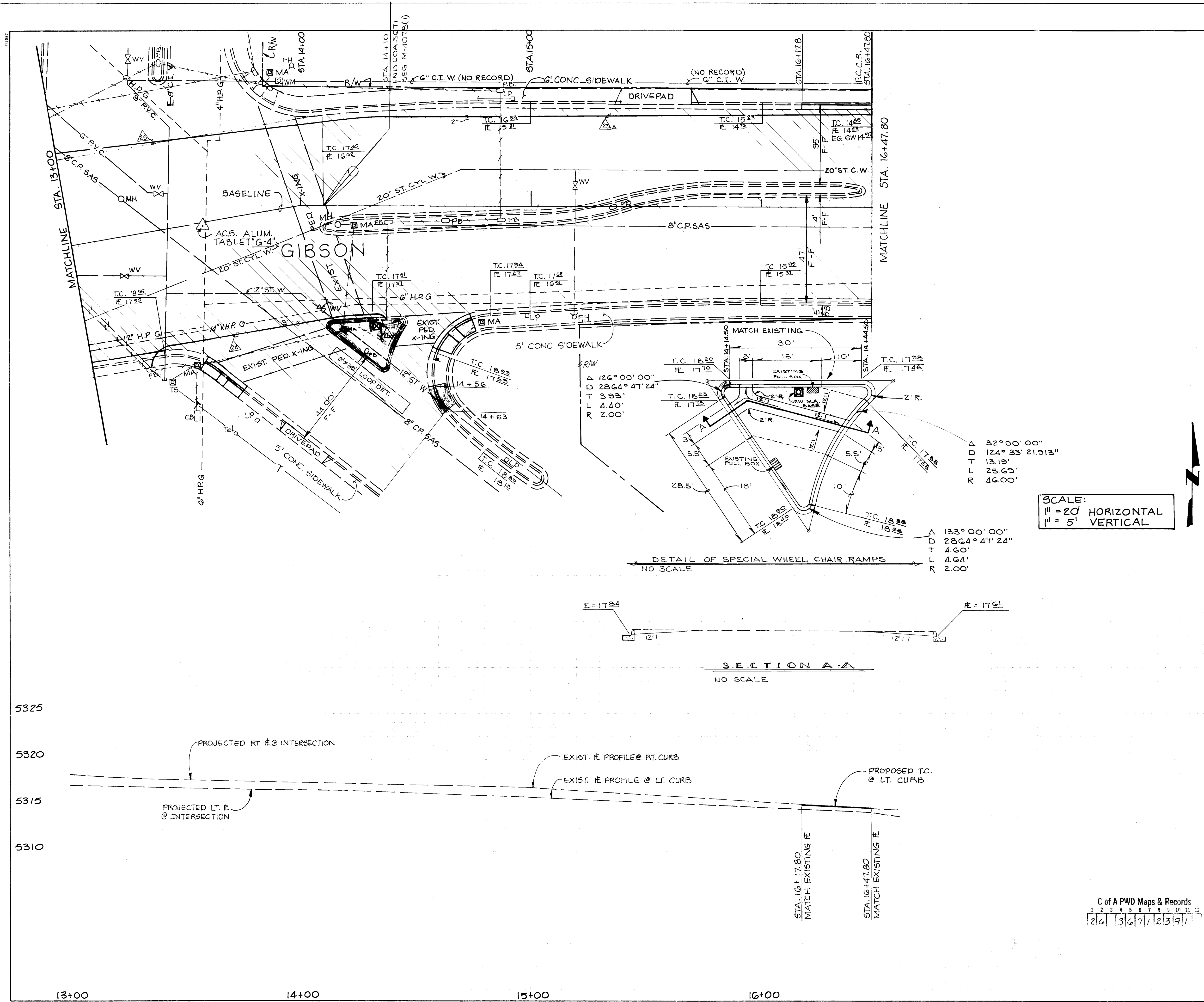
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

**TITLE: GIBSON BLVD.
PLAN & PROFILE
STA. 9+00 TO STA. 13+00**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chair	<i>[Signature]</i>	10/18/89			
Trans. Dev	<i>[Signature]</i>	9-20-89			
Utility Dev	<i>[Signature]</i>	10-18-89			

DRAWING NO. M-4078(1) 3671 MAP NO. L-17 & L-18 SHEET 33 OF 33

"AS-BUILTS"



LEGEND:

- CONCRETE SIDEWALK REMOVAL & REPLACEMENT
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PAVEMENT REMOVAL & REPLACEMENT
- NEW WHEELCHAIR RAMP
- CURB AND GUTTER TO BE REMOVED AND REPLACED (MATCH EXIST.)
- EXISTING CURB & GUTTER
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING MAST ARM
- EXISTING PULL BOX
- EXISTING RIGHT OF WAY
- EXISTING CHAIN LINK FENCE
- BASELINE
- NEW STORM DRAIN
- EXIST. SIGNAL CONDUIT
- EXISTING PEDESTAL FOUNDATION
- NEW SIGNAL CONDUIT
- INSTALL MAST ARM FOUNDATION-TYPE II
- INSTALL PEDESTAL FOUNDATION
- INSTALL LARGE PULL BOX
- INSTALL TRAFFIC SIGNAL MANHOLE
- INSTALL QUAD LOOP
- INSTALL METER PEDESTAL
- INSTALL NEW FIRE HYDRANT

AS BUILT INFORMATION

CONTRACTOR: KYLE CORP.

WORK ORDER: 10/18/99

DATE: 10/18/99

BY: R.W. KANE

CHECKED BY: R.W. KANE

BENCH MARKS

A STANDARD 3/4" A.C.S. ALUMINUM TABLET SET IN CONCRETE @ THE INTERSECTION OF GIBSON BLVD. & SAN MATEO BLVD. & RIDGECREST DR. SE., STAMPED "A.C.S. G-4, 1964" ELEV. = 5317.312

SURVEY INFORMATION

FIELD NOTES

NO. BY DATE

ENGINEER'S SEAL

JOSEPH A. MARTIN, P.E.

STATE OF NEW MEXICO

NO. 3317

EXPIRATION DATE 12/31/00

REVISIONS

NO.	DATE	REMARKS
1	10/18/99	CHANGE EXIST. WATER TO 20" STEEL
2	10/18/99	ADD C&G, S.W. @ STA. 14 + 50
3	10/18/99	INCLUDE SURFACING ON RIDGECREST

DESIGN

DESIGNED BY: R.W. KANE

DRAWN BY: R.W. KANE

CHECKED BY: R.W. KANE

DATE: 10/18/99

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING GROUP

TITLE: GIBSON BLVD. PLAN & PROFILE

STA. 13+00 TO STA. 16+00

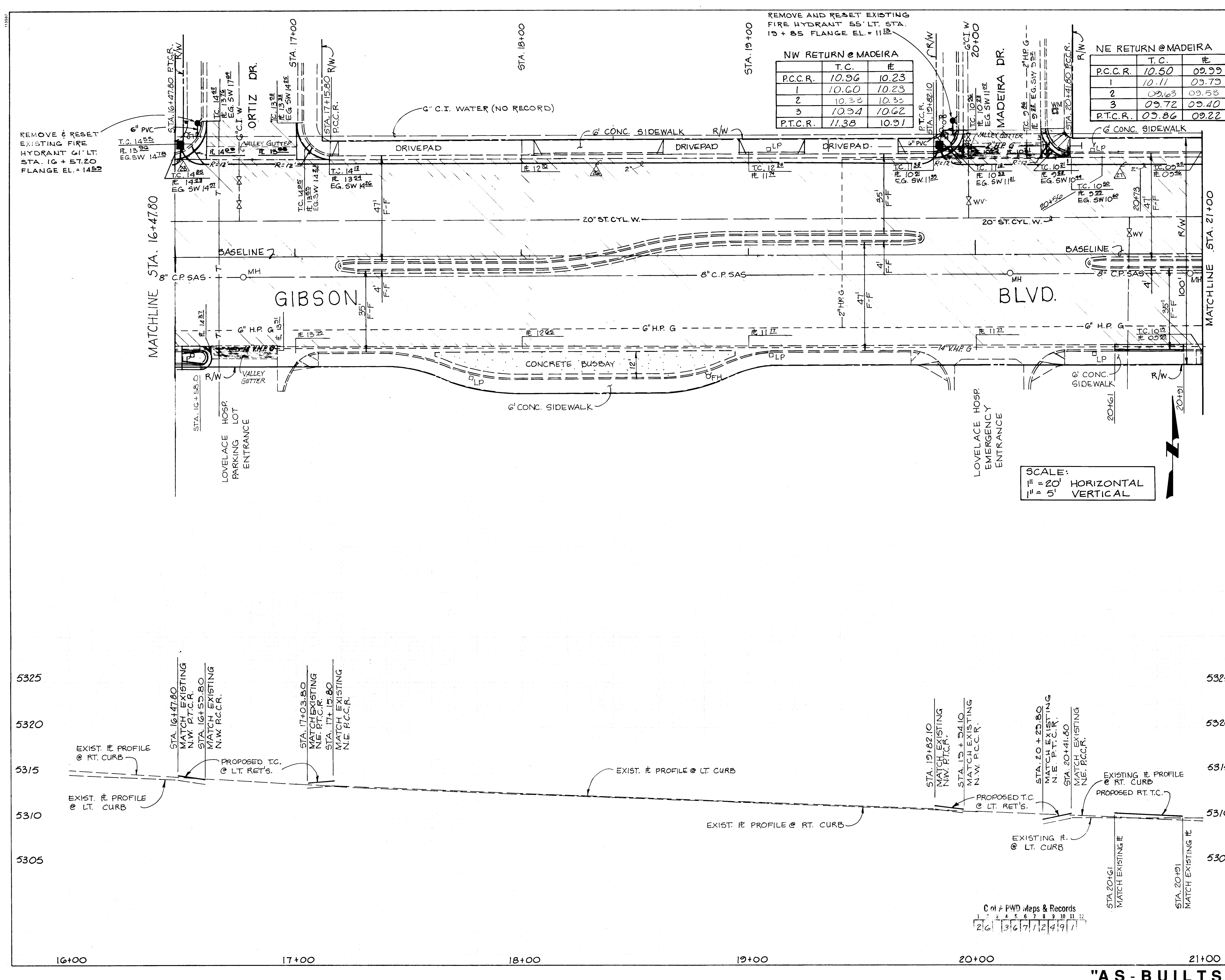
APPROVALS

ENGINEER	DATE	APPROVALS	ENGINEER	DATE
R.W. Kane	10/18/99			
R.W. Kane	9-21-99			
R.W. Kane	10-18-99			

DRAWING NO. 3671

MAP NO. L-18

SHEET 3-4



REMOVE AND RESET EXISTING FIRE HYDRANT 55' LT. STA. 19 + 85 FLANGE EL. = 11.12

NW RETURN @ MADEIRA

P.C.C.R.	T.C.	#
1	10.96	10.23
2	10.60	10.23
3	10.32	10.33
4	10.34	10.62
P.T.C.R.	11.38	10.91

NE RETURN @ MADEIRA

P.C.C.R.	T.C.	#
1	10.50	09.39
2	10.11	09.79
3	09.63	09.53
4	09.72	09.40
P.T.C.R.	09.86	09.22

LEGEND:

- CONCRETE SIDEWALK REMOVAL & REPLACEMENT
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PAVEMENT REMOVAL & REPLACEMENT
- NEW WHEELCHAIR RAMP
- CURB AND GUTTER TO BE REMOVED AND REPLACED (MATCH EXIST.)
- EXISTING CURB & GUTTER
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING MAST ARM
- EXISTING PULL BOX
- EXISTING RIGHT OF WAY
- EXISTING CHAIN LINK FENCE
- BASELINE
- NEW STORM DRAIN
- EXIST. SIGNAL CONDUIT
- EXIST. PEDESTAL FOUNDATION
- NEW SIGNAL CONDUIT
- INSTALL MAST ARM FOUNDATION-TYPE II
- INSTALL PEDESTAL FOUNDATION
- INSTALL LARGE PULL BOX
- INSTALL TRAFFIC SIGNAL MANHOLE
- INSTALL QUAD LOOP
- INSTALL METER PEDESTAL
- INSTALL NEW FIRE HYDRANT

AS BUILT INFORMATION

CONTRACT NO.	DATE	CONTRACTOR	DATE
10-11-80	10-11-80	ORTIZ	10-11-80

ENGINEER'S SEAL

REVISIONS

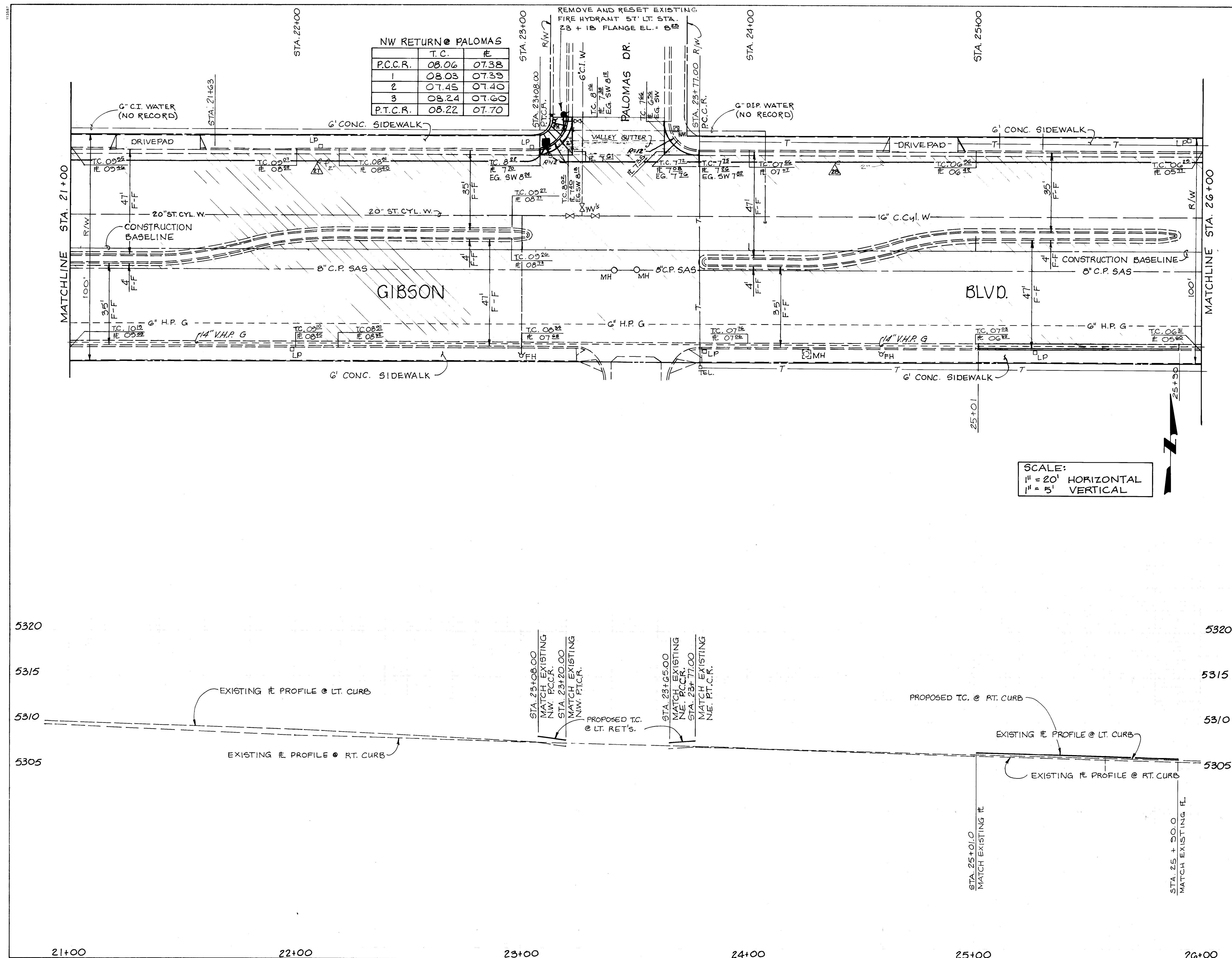
NO.	DATE	REMARKS
1	10-11-80	CHANGE EXIST. WATER TO 20" STEEL
2	10-11-80	DELETE W/C RAMP @ ORTIZ
3	10-11-80	DELETE W/C RAMP @ ORTIZ

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP

TITLE: GIBSON BLVD. PLAN & PROFILE STA. 16+00 TO STA. 21+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DR. Char.	R. W. Kame	10/11/80			
Trans. Dev.	R. W. Kame	9-20-80			
Utility Dev.	R. W. Kame	10-18-80			

DRAWING NO. 3671 **MAP NO. L-18** **SHEET 3-5**



NW RETURN @ PALOMAS

P.C.C.R.	T.C.	E
1	08.06	07.38
2	07.45	07.40
3	08.24	07.60
P.T.C.R.	08.22	07.70

SCALE:
1" = 20' HORIZONTAL
1" = 5' VERTICAL

LEGEND:

- CONCRETE SIDEWALK REMOVAL & REPLACEMENT
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PAVEMENT REMOVAL & REPLACEMENT
- NEW WHEELCHAIR RAMP
- CURB AND GUTTER TO BE REMOVED AND REPLACED (MATCH EXIST.)
- EXISTING CURB & GUTTER
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING MAST ARM
- EXISTING PULL BOX
- EXISTING RIGHT OF WAY
- EXISTING CHAIN LINK FENCE
- BASELINE
- NEW STORM DRAIN
- EXIST. SIGNAL CONDUIT
- EXISTING PEDESTAL FOUNDATION
- NEW SIGNAL CONDUIT
- INSTALL MAST ARM FOUNDATION
- INSTALL PEDESTAL FOUNDATION
- INSTALL LARGE PULL BOX
- INSTALL TRAFFIC SIGNAL MANHOLE
- INSTALL QUAD LOOP
- INSTALL METER PEDESTAL
- INSTALL NEW FIRE HYDRANT

AS BUILT INFORMATION

CONTRACTOR: NYLEE COB.P

WORK STARTED BY: CONTRACTOR DATE

FIELD INSPECTION BY: N.M.S.H. DATE

DATE

RECORDED BY: MICRO-FILM INFORMATION

DATE

BENCH MARKS

A STANDARD A.C.S. 3/4" ALUMINUM TABLET SET FLUSH WITH THE TOP OF CURB @ THE S.E. CURB RETURN AT THE INTERSECTION OF GIBSON BLVD. SE & SAN PEDRO DR. SE.

ELEV. = 5307.2

SURVEY INFORMATION

FIELD NOTES

NO. BY DATE

ENGINEER'S SEAL

JOSEPH A. MARTIN

STATE OF NEW MEXICO

REGISTERED PROFESSIONAL ENGINEER

NO. 1587

REVISIONS

NO.	DATE	REMARKS
1	9-1-89	REVISED N.W. CORNER R/W
2	9-4-89	CHANGE EXIST. WATER TO 20" STEEL
3	9-11-89	DELETE W/C RAMP @ N.E. COR. PALOMAS
4	10-10-91	"AS-BUILT" DRAWING

DESIGN

DESIGNED BY: DATE

DRAWN BY: DATE

CHECKED BY: DATE

CITY OF ALBUQUERQUE

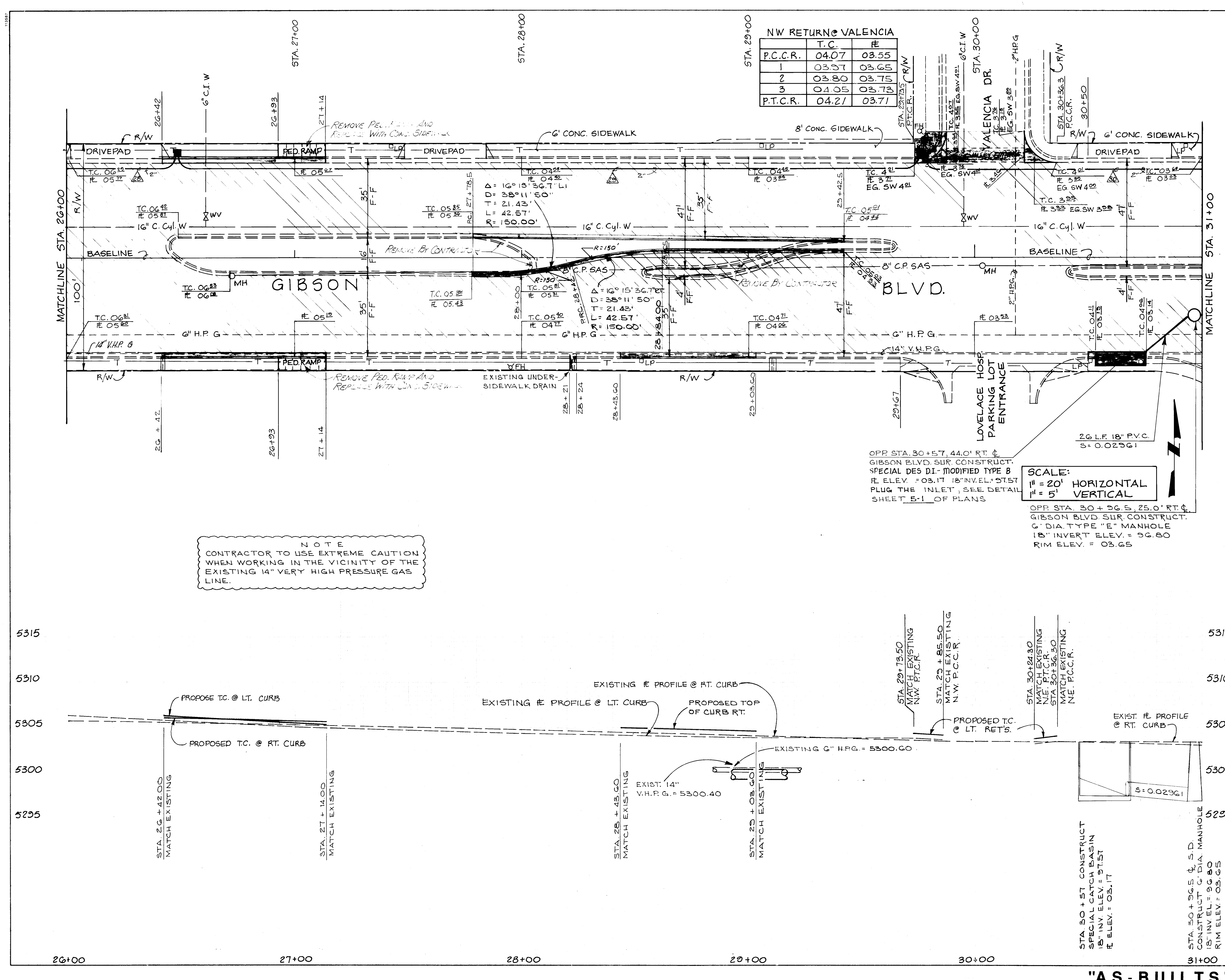
PUBLIC WORKS DEPARTMENT

ENGINEERING GROUP

TITLE: GIBSON BLVD. PLAN & PROFILE STA 21+00 TO STA 26+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	10/12/89				
Trans. Dev	9-20-89				
Utility Dev	10-18-89				

DRAWING NO. M-4078(1) 3671 MAP NO. L-18 SHEET 3-6 OF



LEGEND:

- CONCRETE SIDEWALK REMOVAL & REPLACEMENT
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PAVEMENT REMOVAL & REPLACEMENT
- NEW WHEELCHAIR RAMP
- CURB AND GUTTER TO BE REMOVED AND REPLACED (MATCH EXIST.)
- EXISTING CURB & GUTTER
- EXISTING SANITARY SEWER LINE
- EXISTING WATERLINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING MAST ARM
- EXISTING PULL BOX
- EXISTING RIGHT OF WAY
- EXISTING CHAIN LINK FENCE
- BASELINE
- NEW STORM DRAIN
- EXIST. SIGNAL CONDUIT
- EXISTING PEDESTAL FOUNDATION
- NEW SIGNAL CONDUIT
- INSTALL MAST ARM FOUNDATION
- INSTALL PEDESTAL FOUNDATION
- INSTALL LARGE PULL BOX
- INSTALL TRAFFIC SIGNAL MANHOLE
- INSTALL QUAD LOOP
- INSTALL METER PEDESTAL
- INSTALL NEW FIRE HYDRANT

AS BUILT INFORMATION

CONTRACTOR: **WYLE CORP.**

WORK BY: **CONTRACTOR**

INSPECTOR: **DATE**

ACCEPTANCE BY: **DATE**

FIELD DRAWINGS BY: **DATE**

CHECKED BY: **DATE**

RECORDED BY: **DATE**

BENCH MARKS

A STANDARD A.C.S. 3/4" ALUMINUM TABLET SET FLUSH WITH THE TOP OF CURB @ THE S.E. CURB RETURN AT THE INTERSECTION OF GIBSON BLVD. SE & SAN PEDRO DR. SE.

ELEV. = 5307.2

ENGINEER'S SEAL

STATE OF NEW MEXICO

REGISTERED PROFESSIONAL ENGINEER

NO. 10113

EXPIRATION DATE 12/31/2015

REVISIONS

NO.	DATE	REMARKS
1	8/21/83	REVISE STORM DRAIN
2	9-1-83	ADD NOTE FOR 14" GAS LINE
3	9-1-83	REFERENCE SHEET NUMBERS
4	9-1-83	DELETE WC RAMP N.E. COR. VALENCIA
5	05-10-31	"AS-BUILT" DRAWING

DESIGN

DESIGNED BY: **DATE**

DRAWN BY: **DATE**

CHECKED BY: **DATE**

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING GROUP

TITLE: GIBSON BLVD. PLAN & PROFILE

STA. 26+00 TO STA. 31+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>Reginald Rios</i>	10/18/89			
Trans. Dev	<i>Rios</i>	9-20-89			
Utility Dev	<i>R.W. Kame</i>	10-18-89			
Hydrology	<i>R. Rios</i>	9/24/89			

DRAWING NO. **COA-3671** MAP NO. **L-18** SHEET **3-7** OF **3-7**

As-Built NOTE
SHEET 3-8

At the North side of Gibson
Cardenas R+R 40 L.F. of
15" PVC SAS - including (approximately)
13' x 200' of existing pavement.

LEGEND:

- CONCRETE SIDEWALK REMOVAL & REPLACEMENT
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PAVEMENT REMOVAL & REPLACEMENT
- NEW WHEELCHAIR RAMP
- CURB AND GUTTER TO BE REMOVED AND REPLACED (MATCH EXIST.)
- EXISTING CURB & GUTTER
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING MAST ARM
- EXISTING PULL BOX
- EXISTING RIGHT OF WAY
- EXISTING CHAIN LINK FENCE
- BASELINE
- NEW STORM DRAIN
- EXIST. SIGNAL CONDUIT
- EXISTING PEDESTAL FOUNDATION
- NEW SIGNAL CONDUIT
- INSTALL MAST ARM FOUNDATION-TYPE II
- INSTALL PEDESTAL FOUNDATION
- INSTALL LARGE PULL BOX
- INSTALL TRAFFIC SIGNAL MANHOLE
- INSTALL QUAD
- INSTALL METER PEDESTAL
- INSTALL NEW FIRE HYDRANT

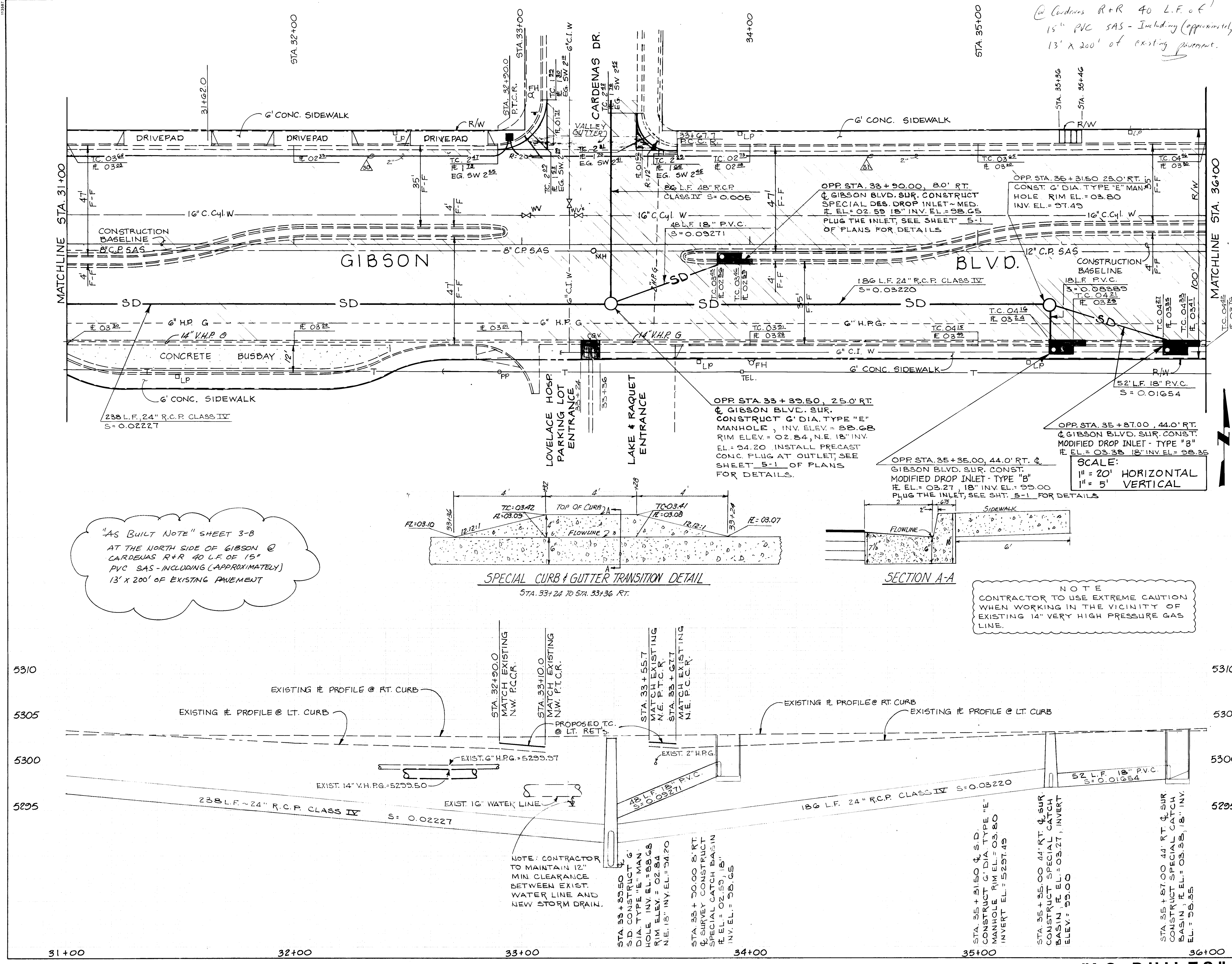
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR	DATE	TABLET SET	FLUSH WITH TOP OF CURB @ THE S.E. CURB RETURN AT THE INTERSECTION OF GIBSON BLVD. SE & SAN PEDRO DR. SE	NO.	BY	DATE	NO.	BY	DATE	DESIGNED BY	DATE
CONTRACTOR	DATE	TABLET SET	FLUSH WITH TOP OF CURB @ THE S.E. CURB RETURN AT THE INTERSECTION OF GIBSON BLVD. SE & SAN PEDRO DR. SE	NO.	BY	DATE	NO.	BY	DATE	DESIGNED BY	DATE
CONTRACTOR	DATE	TABLET SET	FLUSH WITH TOP OF CURB @ THE S.E. CURB RETURN AT THE INTERSECTION OF GIBSON BLVD. SE & SAN PEDRO DR. SE	NO.	BY	DATE	NO.	BY	DATE	DESIGNED BY	DATE
CONTRACTOR	DATE	TABLET SET	FLUSH WITH TOP OF CURB @ THE S.E. CURB RETURN AT THE INTERSECTION OF GIBSON BLVD. SE & SAN PEDRO DR. SE	NO.	BY	DATE	NO.	BY	DATE	DESIGNED BY	DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

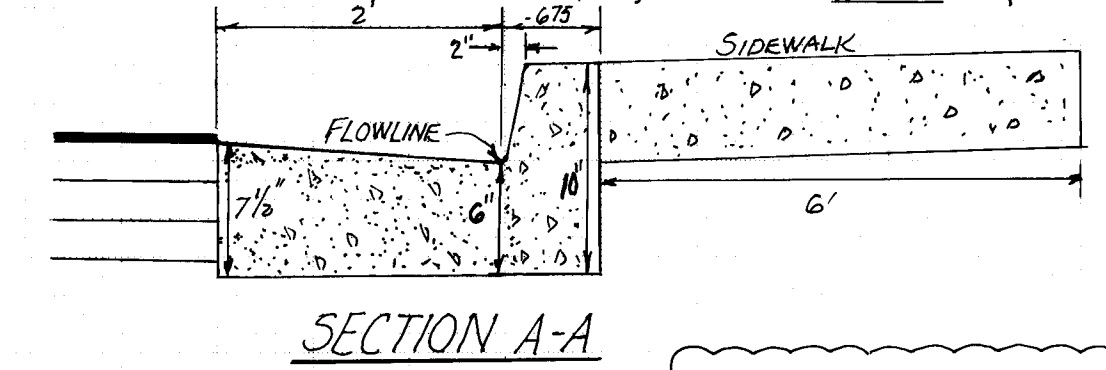
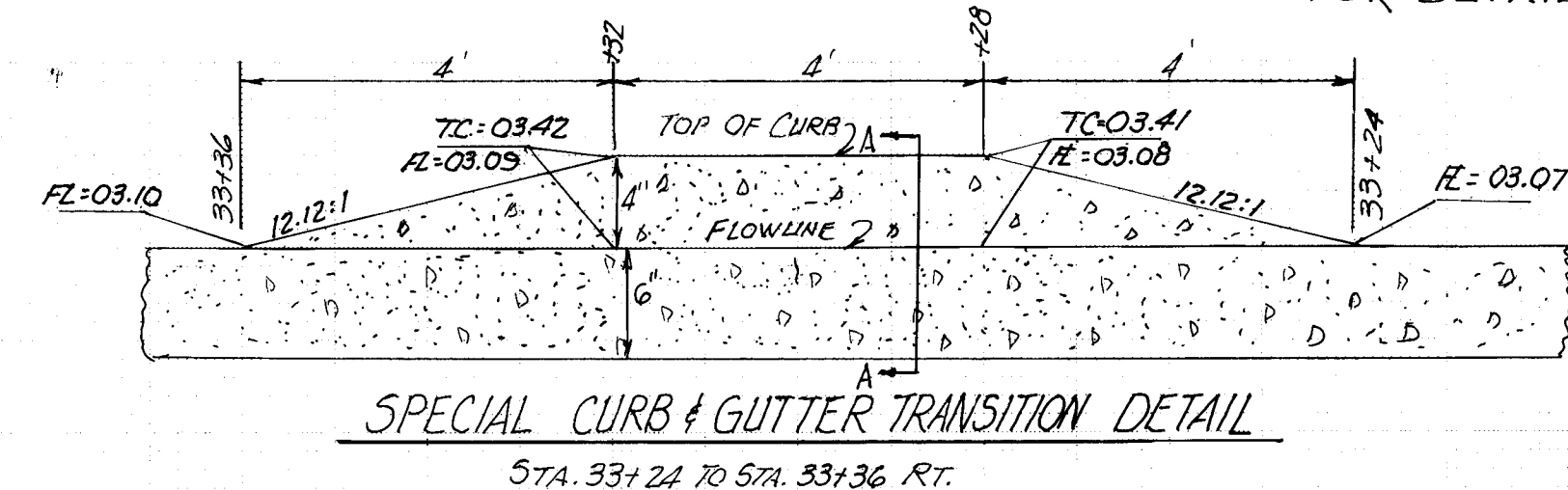
TITLE: GIBSON BLVD. PLAN & PROFILE STA. 31+00 TO STA. 36+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chair	Robert R.	10/18/89			
Trans. Dev	W.D.	9-20-89			
Utility Dev	W.D.	9-20-89			
Hydrology	W.D.	9/20/89			

DRAWING NO. M-4073(1) MAP NO. L-18 SHEET 3-8



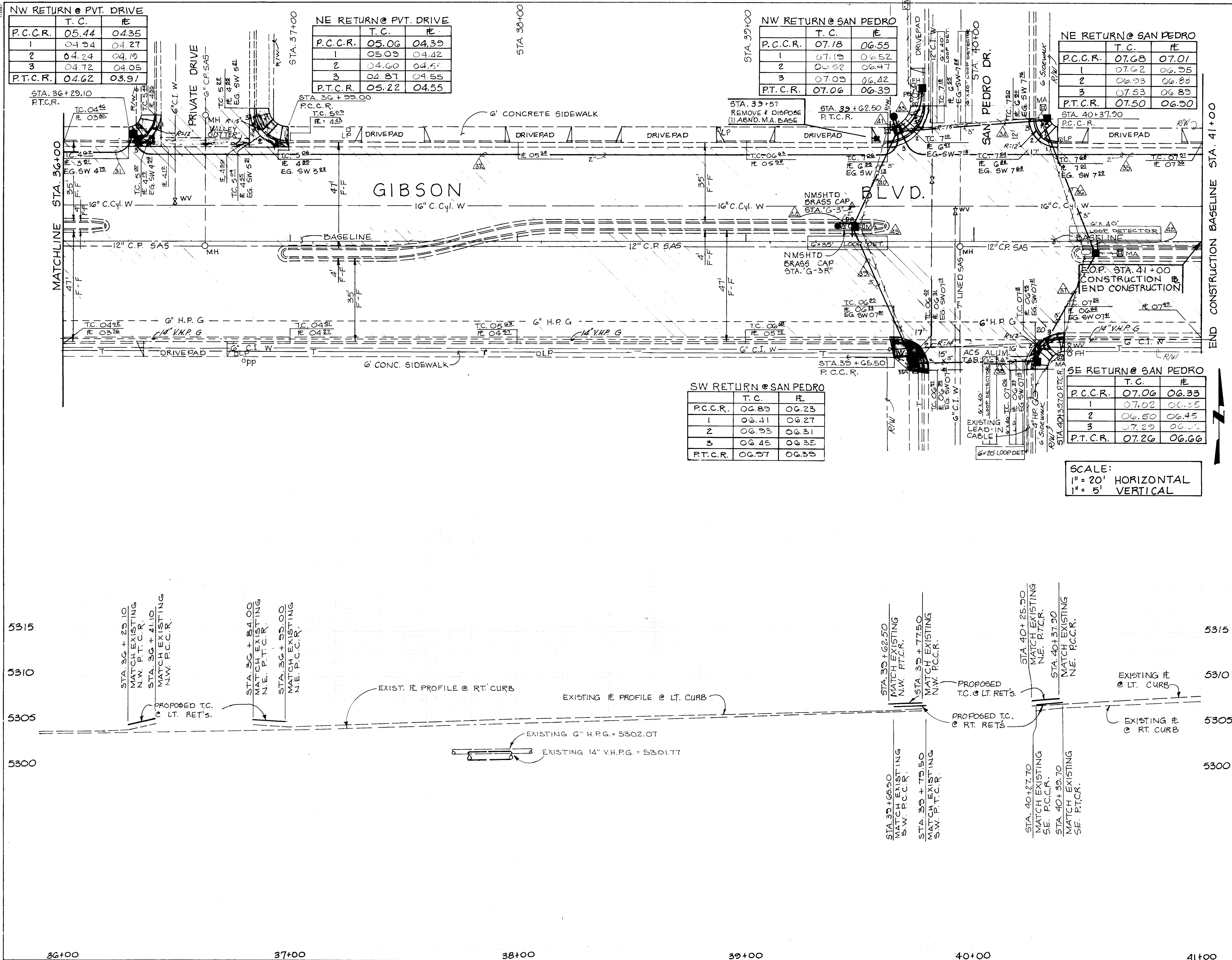
"AS BUILT NOTE" SHEET 3-8
AT THE NORTH SIDE OF GIBSON @
CARDENAS R+R 40 L.F. OF 15"
PVC SAS - INCLUDING (APPROXIMATELY)
13' x 200' OF EXISTING PAVEMENT



NOTE
CONTRACTOR TO USE EXTREME CAUTION
WHEN WORKING IN THE VICINITY OF
EXISTING 14\"/>

NOTE: CONTRACTOR
TO MAINTAIN 12"
MIN. CLEARANCE
BETWEEN EXIST.
WATER LINE AND
NEW STORM DRAIN.

"AS-BUILTS"



LEGEND:

- CONCRETE SIDEWALK REMOVAL & REPLACEMENT
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PAVEMENT REMOVAL & REPLACEMENT
- NEW WHEELCHAIR RAMP
- CURB AND GUTTER TO BE REMOVED AND REPLACED (MATCH EXIST.)
- EXISTING CURB & GUTTER
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING MAST ARM
- EXISTING PULL BOX
- EXISTING RIGHT OF WAY
- EXISTING CHAIN LINK FENCE
- BASELINE
- NEW STORM DRAIN
- EXISTING SIGNAL CONDUIT
- EXISTING PEDESTAL FOUNDATION
- NEW SIGNAL CONDUIT
- INSTALL MAST ARM FOUNDATION - TYPE II
- INSTALL PEDESTAL FOUNDATION
- INSTALL LARGE PULL BOX
- INSTALL TRAFFIC SIGNAL MANHOLE
- INSTALL QUAD LOOP
- INSTALL METER PEDESTAL
- INSTALL NEW FIRE HYDRANT

AS BUILT INFORMATION

CONTRACTOR: KYLE CORP.
DATE: 10/18/11
RECORDING: 10/18/11

BENCH MARKS

A STANDARD A.C.G. 3/4" ALUMINUM TABLET SET FLUSH WITH THE TOP OF CURB @ THE SE. CURB RETURN AT THE INTERSECTION OF GIBSON BLVD. SE & SAN PEDRO DR. SE.
ELEV. = 5307.2

SURVEY INFORMATION

FIELD NOTES: NO. 1
DATE: 10/18/11
BY: [Signature]

ENGINEER'S SEAL

JOSEPH A. MARTIN
STATE OF NEW MEXICO
Professional Engineer No. 10351

REVISIONS

NO.	DATE	REMARKS
1	10/18/11	AS-BUILT DRAWING

DESIGN

DESIGNED BY: [Signature]
DRAWN BY: [Signature]
CHECKED BY: [Signature]

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: GIBSON BLVD.
PLAN & PROFILE
STA. 36+00 TO STA. 41+00

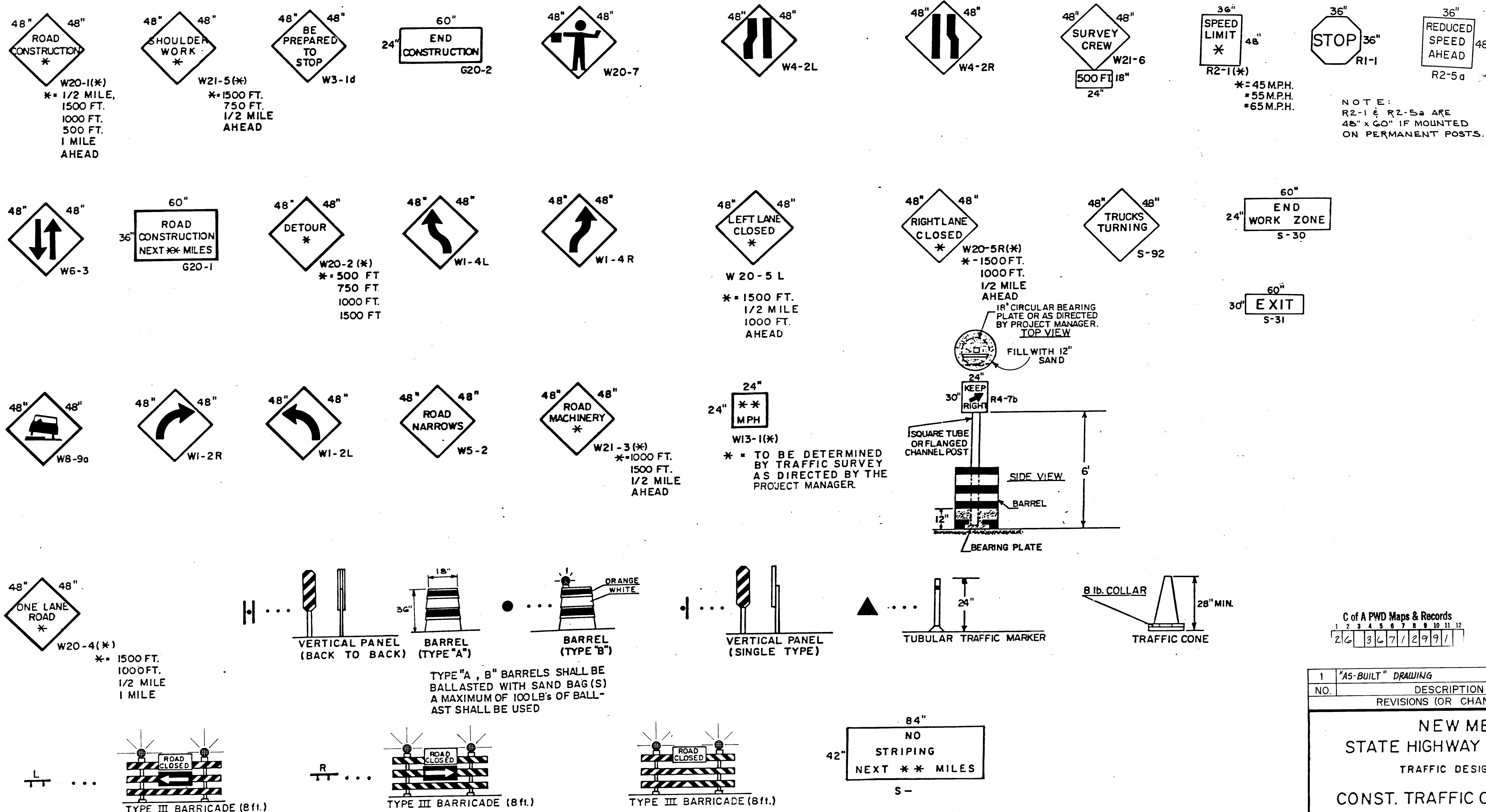
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	[Signature]	10/18/11			
Trans. Dev.	[Signature]	9-20-11			
Utility Dev.	[Signature]	10-18-11			

DRAWING NO. M-4073(1)
MAP NO. L-18
SHEET 3-3 **OF**

F.H.W.A. Region No.	STATE	N.M.P. M-4078(1)	SHEET NO.	TOTAL SHEETS
6	NEW MEXICO		4-1	

SIGN FACE DETAILS*

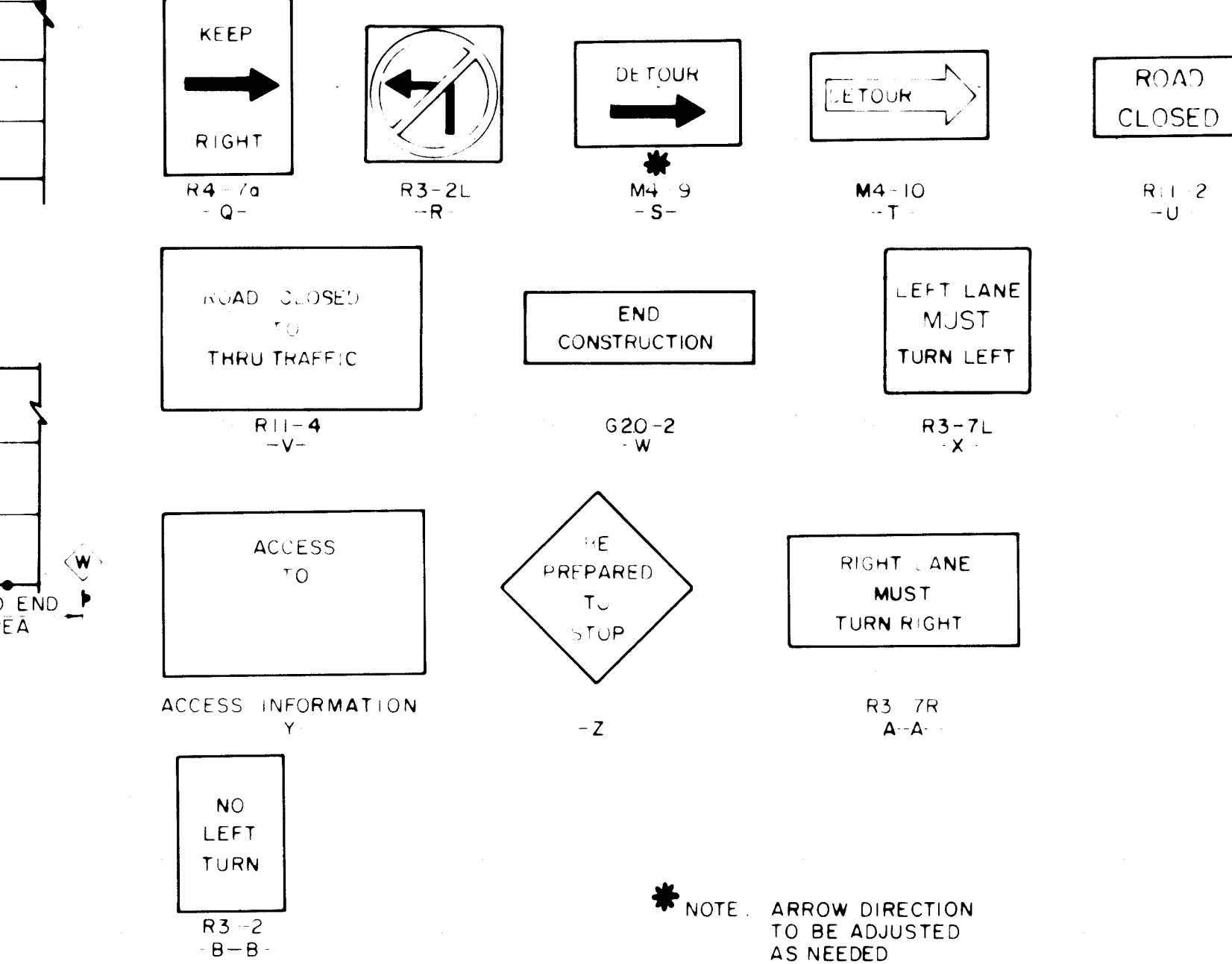
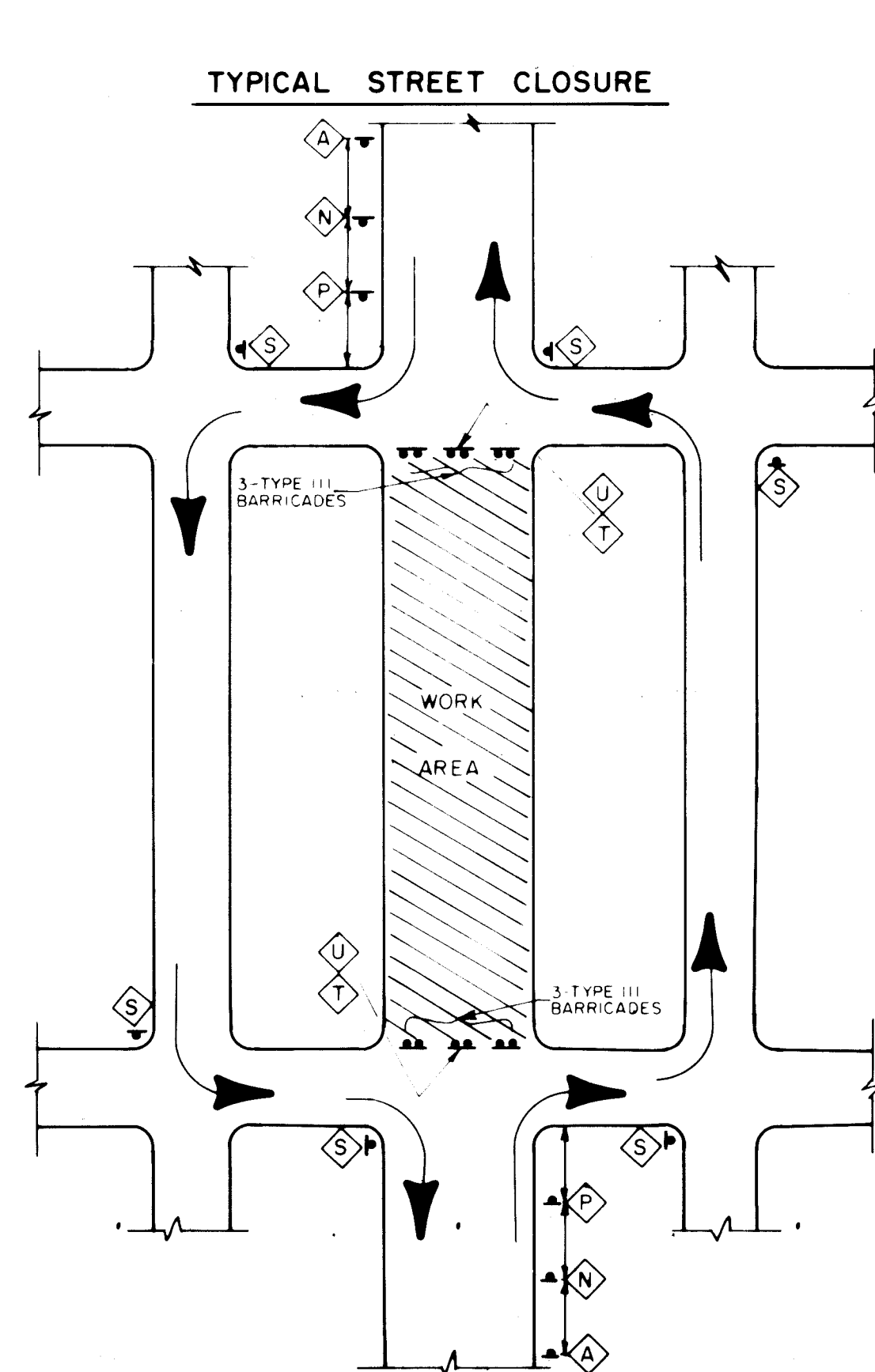
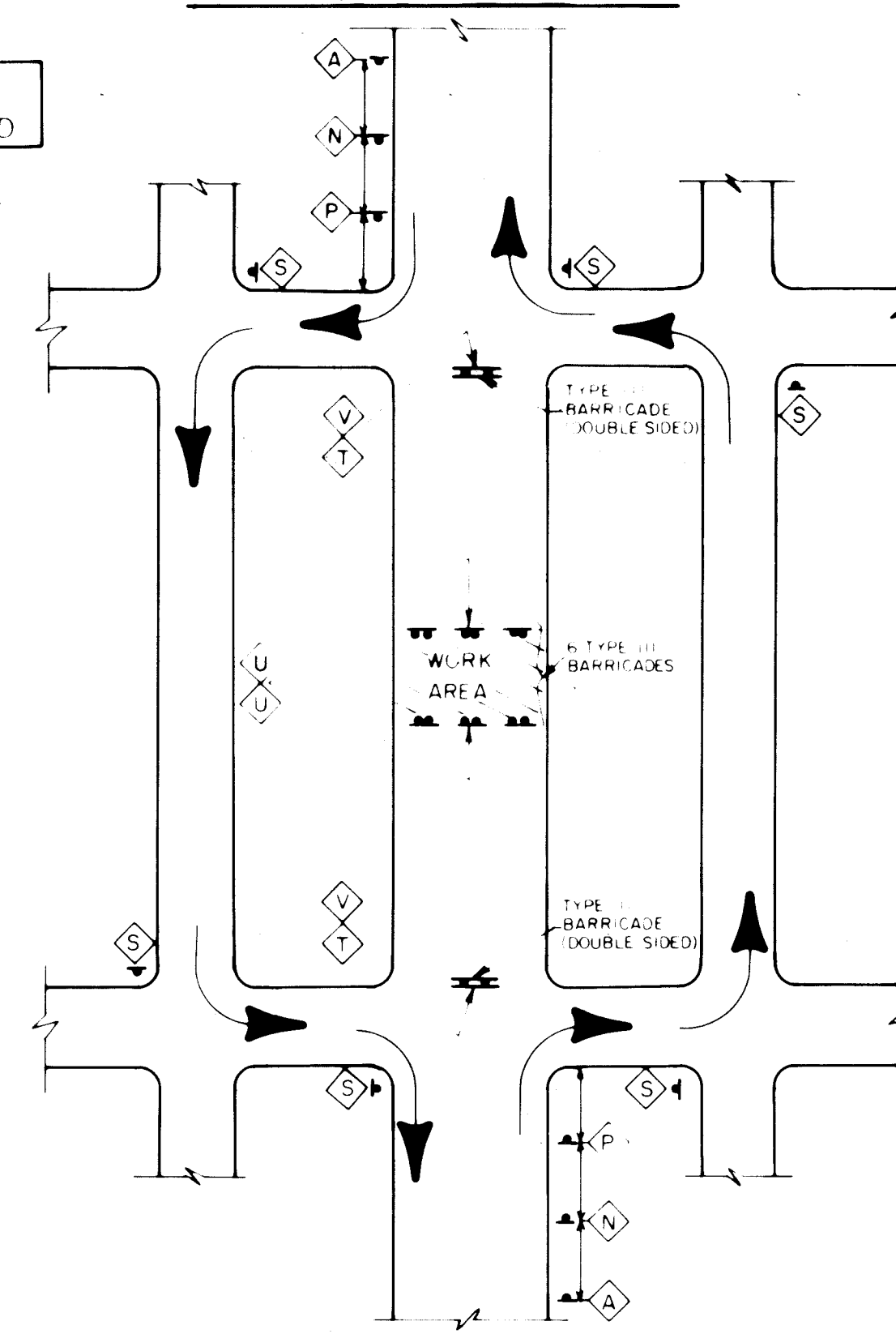
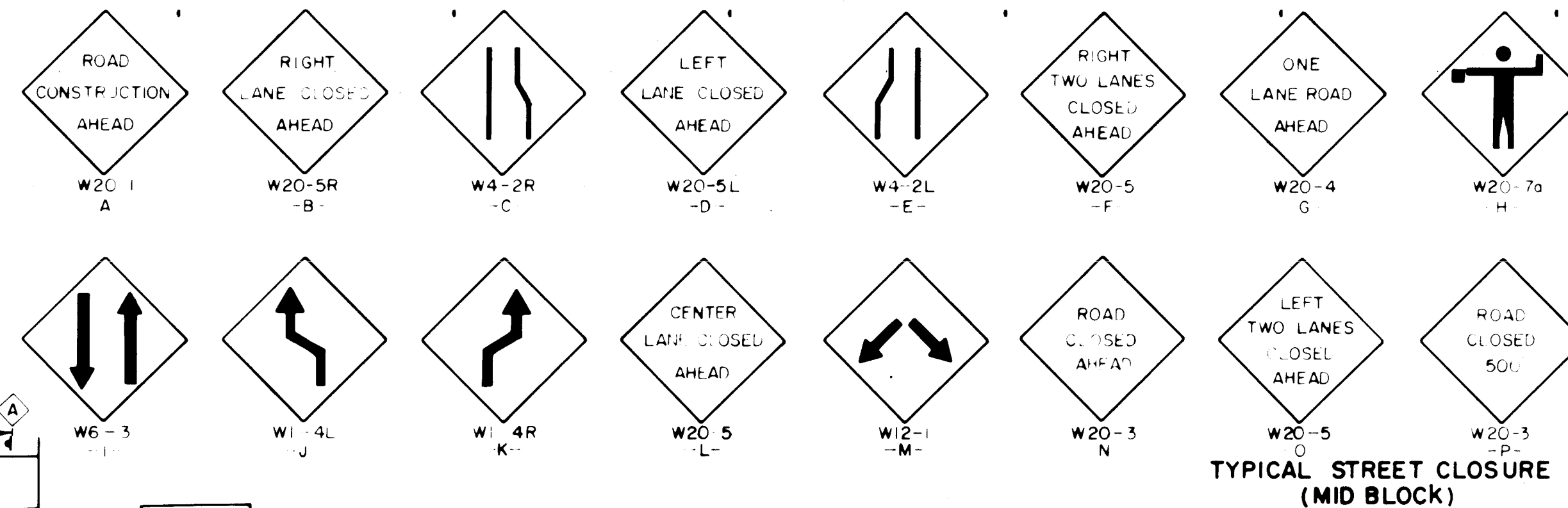
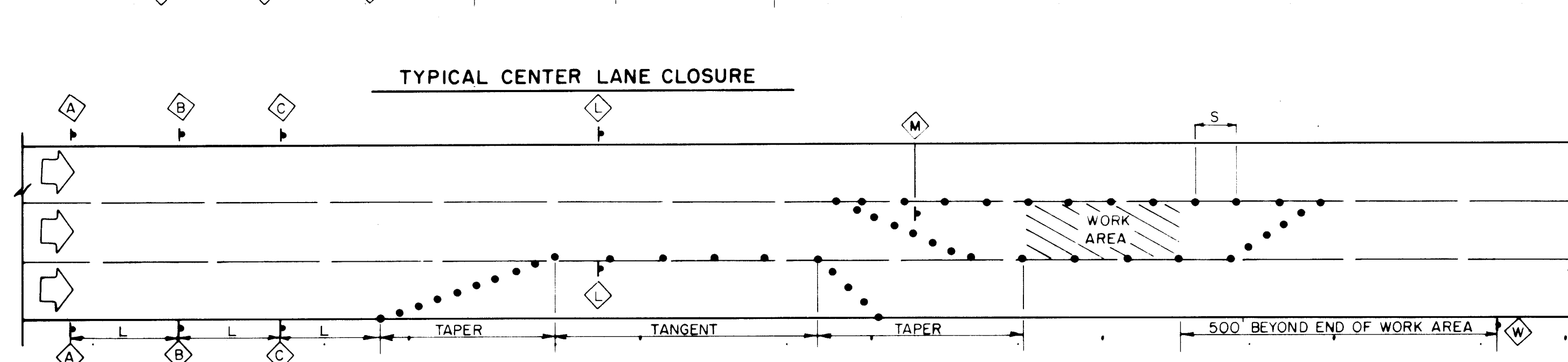
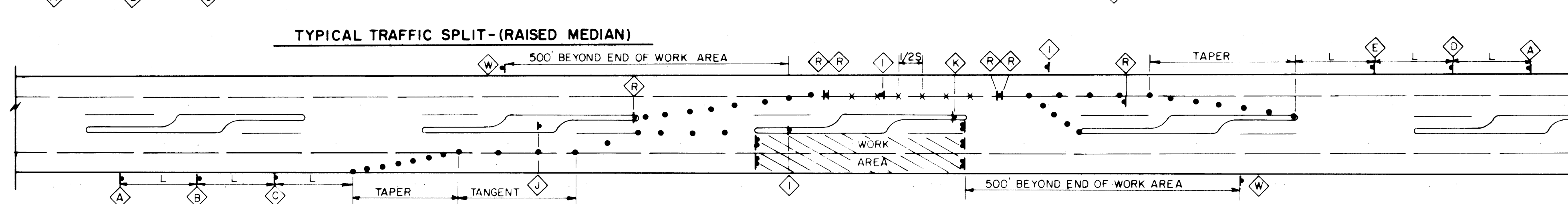
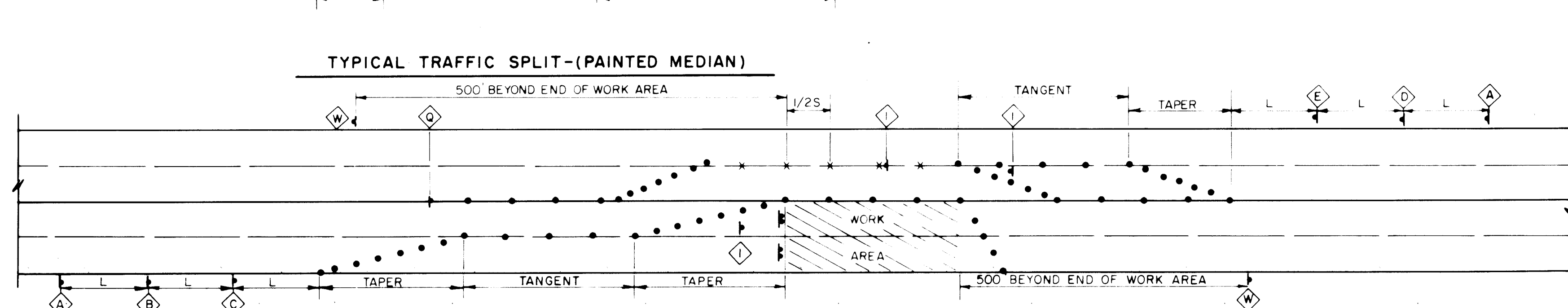
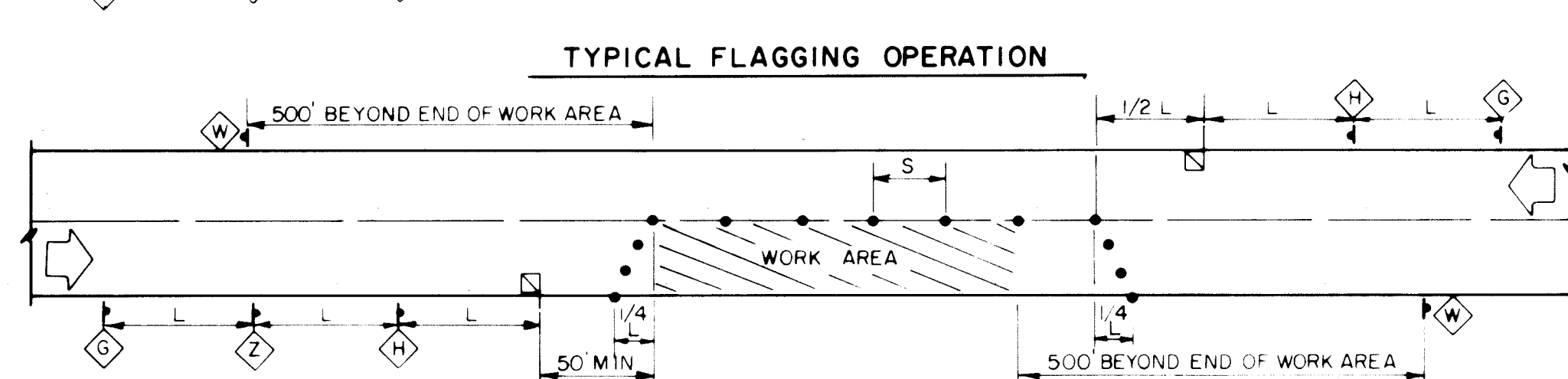
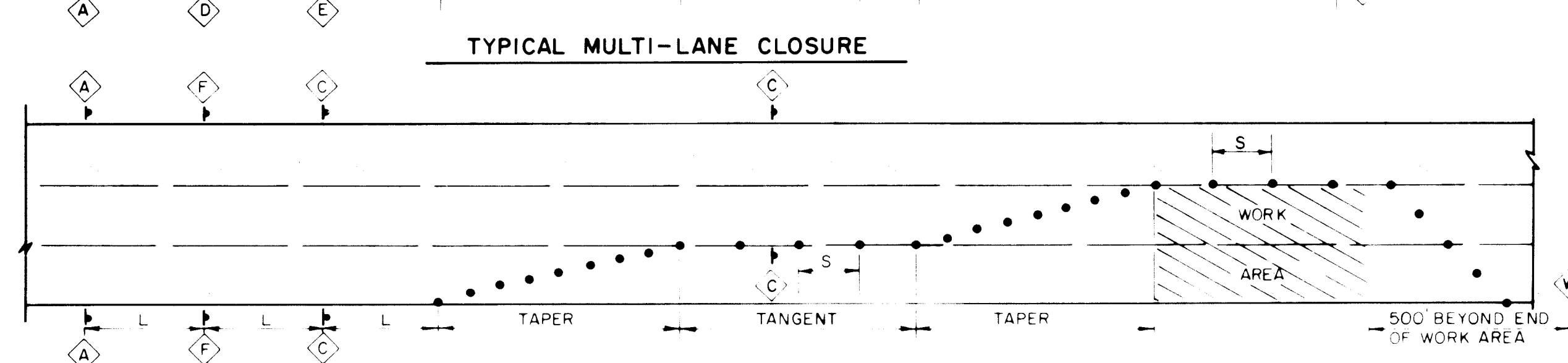
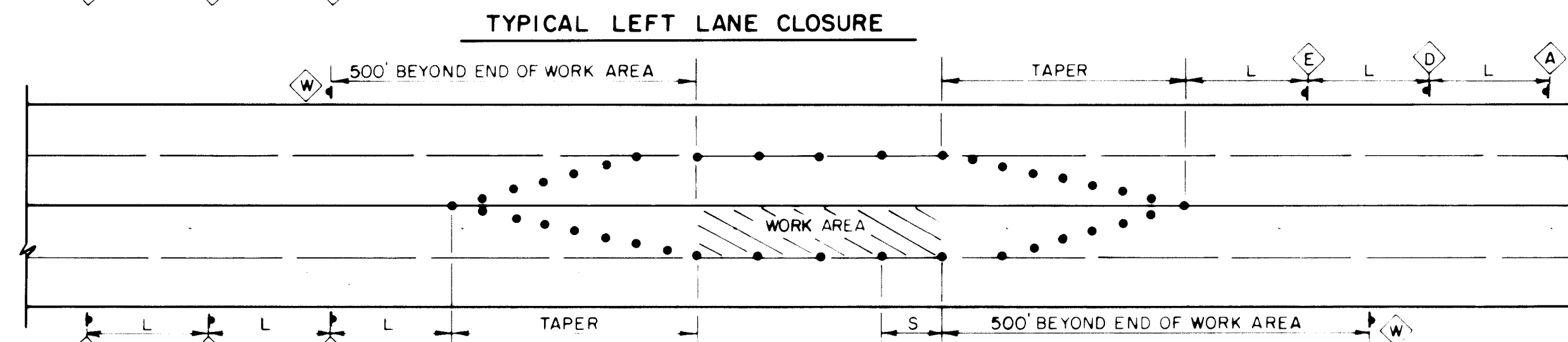
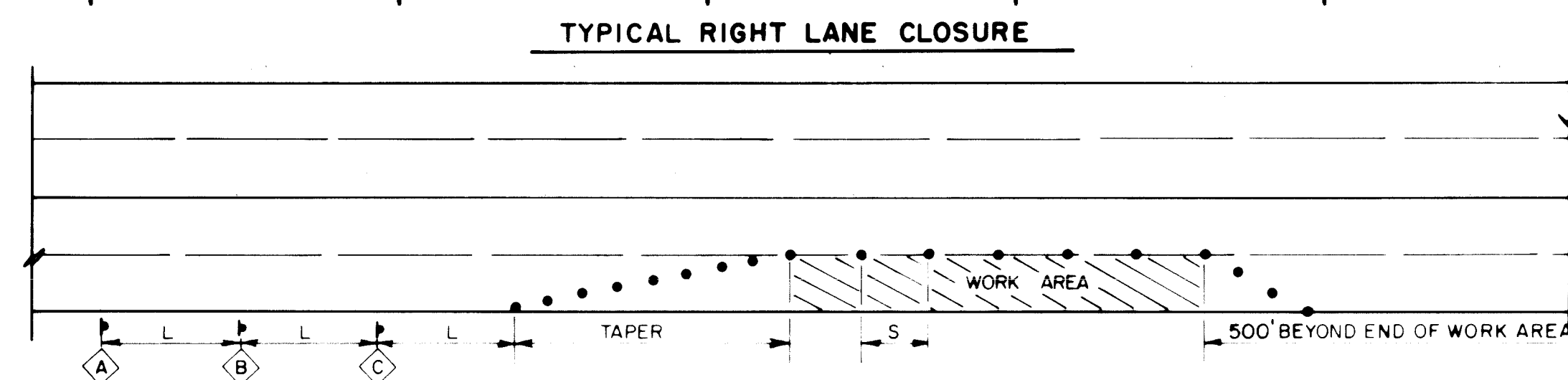
* - NOT ALL SIGNS ARE UTILIZED IN THESE PLANS.



C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
2 6 3 6 7 1 2 9 9 1

NO.	DESCRIPTION	DATE	BY
1	"AS-BUILT" DRAWING	05-10-91	MTE
REVISIONS (OR CHANGES NOTICES)			
NEW MEXICO STATE HIGHWAY DEPARTMENT TRAFFIC DESIGN SECTION CONST. TRAFFIC CONTROL PLAN SIGN FACE DETAILS AND SEQUENCE OF CONSTRUCTION M-4078(1) & COA-3671 SHEET 4-1			

"AS-BUILTS"



* NOTE. ARROW DIRECTION
TO BE ADJUSTED
AS NEEDED

LEGEND

WORK AREA	
	TRAFFIC SIGN & QUANTITY (See this sheet for designation)
•	BARRICADE - TYPE I, TYPE II, OR BARREL
†	BARRICADE - TYPE III
X	VERTICAL PANEL
†	WARNING SIGN
L	DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
	FLAGMAN POSITION
S	SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED OF THE STREET
	TAPER LENGTH - SEE CHART BELOW
	TANGENT LENGTH - IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET

NOTES

ALL ADVANCE WARNING SIGNS ARE TO BE DOUBLE INDICATED WHENEVER MEDIANS ARE PRESENT.

TRANSFORMATION FROM EXISTING SIGNALS TO SPAN WIRE IS TO OCCUR AT OFF PEAK HOURS.

SPEED LIMIT (MPH)	TAPER LENGTH (FEET)			MAXIMUM DISTANCE BETWEEN DEVICES (FEET)	MINIMUM NUMBER OF DEVICES REQUIRED
	10' LANE	11' LANE	2' LANE		
25	104	115	125	25	6
30	150	165	185	30	7
35	204	225	245	35	8
40	267	293	320	40	9
45	450	495	540	45	13
50	500	550	600	50	13
55	550	605	660	55	13

A PWD Maps & Records

	4	5	6	7	8	9	10	11	12
26	3	6	7	1	3	0	9	1	

"A S - B U I L T S"

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TYPICAL LANE CLOSURES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chair	<i>David H. [Signature]</i>	11/11/01			
Trans. Dev.	<i>R. [Signature]</i>	9-20-99			
Utility Dev.	<i>J.W. Kane</i>	10-18-89			

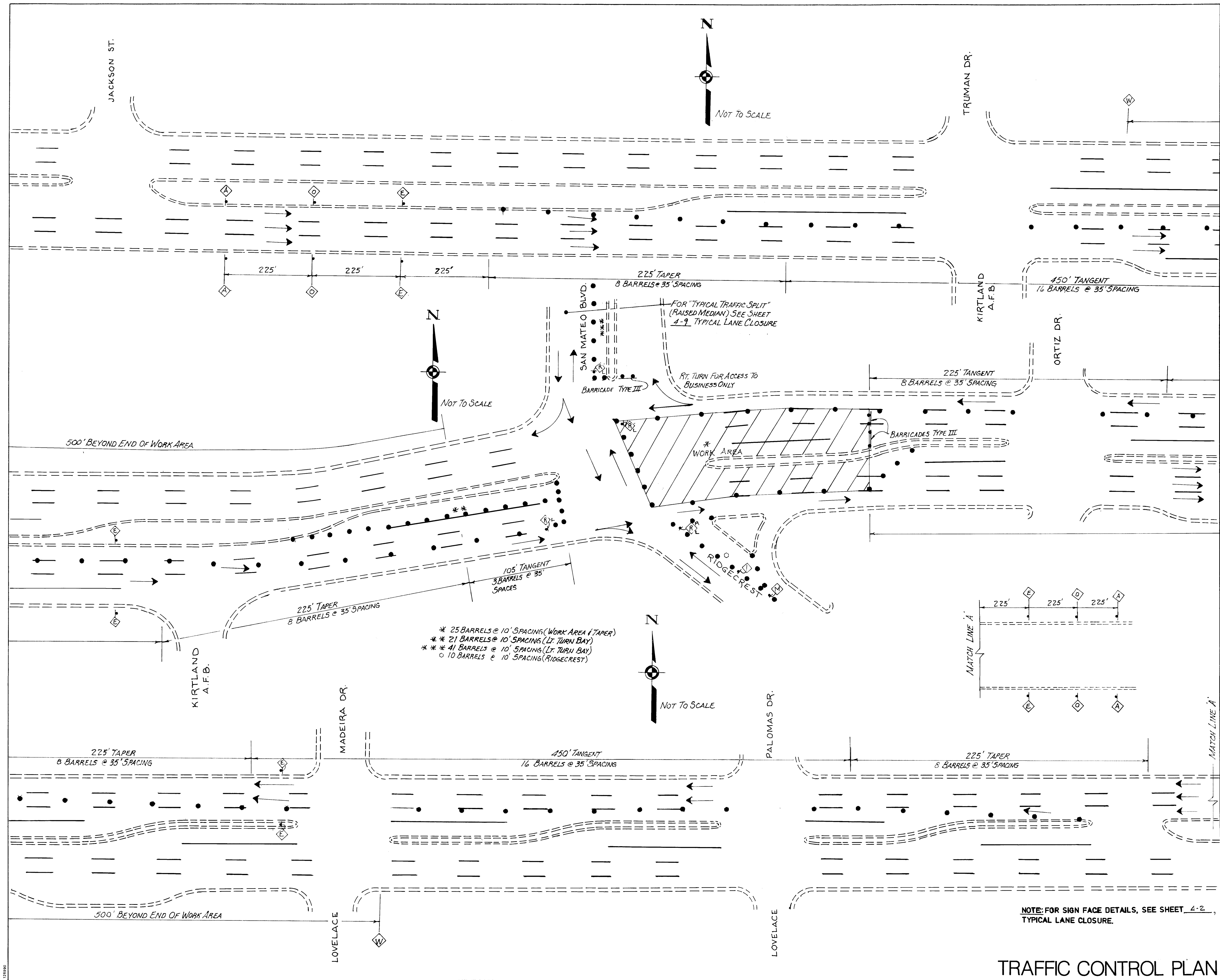
DRAWING NO.	M-4078(1) ECC-3071	MAP NO.	L-17-Z L-18-Z	SHEET	OF
				4-2	

[illegible][illegible][illegible]

A circular professional engineer seal for Stephen Martin, State of Oregon, License No. 5347. The seal is stamped in black ink. The outer ring contains the text "STEPHEN MARTIN" at the top, "REGISTERED PROFESSIONAL ENGINEER" at the bottom, and "STATE OF OREGON" on the right side. The center of the seal features the license number "5347" and the word "ENGINEER" below it. The seal is signed with a stylized signature across the top and bottom.

[illegible]

ROQUE		RTMENT		OUP	
OSURES					
VALS	ENGINEER			DATE	
SHEET		OF			
4-2					



AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	DATE	DATE	NO.	DATE	DESIGNED BY	CHECKED BY
KYLE CORP											
STARTED BY	DATE										
ACCEPTANCE BY	DATE										
FIELD BY	DATE										
DRAWINGS	DATE										
CORRECTED BY	DATE										
MICRO-FILM	DATE										
RECORDED BY	DATE										
NO.											

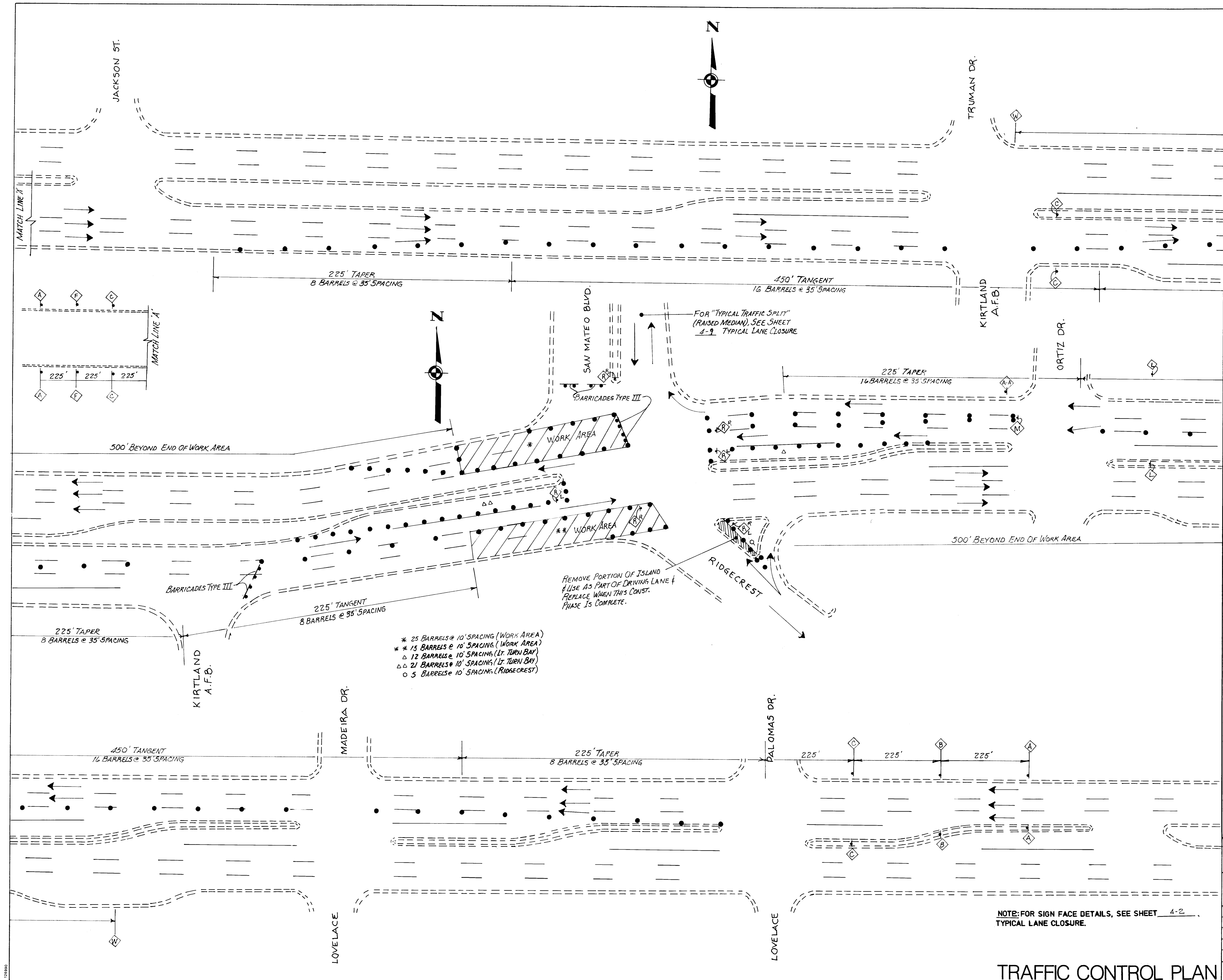
AS-BUILTS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **SAN MATEO/GIBSON BLVD. INTERSECTION
~PHASE II~**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	R. W. Kame	10/18/89			
Trans. Dev	R. W. Kame	9-20-89			
Utility Dev	R. W. Kame	10-18-89			

DRAWING NO. **M-4073(1)** MAP NO. **COA-3671** SHEET **4-4** OF **4-4**



AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	DATE	NO.	BY	DATE	NO.	BY	DATE	NO.	BY	DATE	
WYLE CORP.											
STATED BY	DATE										
CHECKED BY	DATE										
APPROVED BY	DATE										
CORRECTED BY	DATE										
RECORDED BY	DATE										

ENGINEER'S SEAL

JOSEPH A. MARTIN
STATE OF NEW MEXICO
1981

REVISIONS

NO.	DATE	REMARKS
1	05-10-91	"AS BUILT" DRAWING
2	06-30-91	ADDED MATCH LINE A
3	08-31-91	REVISED NOTE & REF. SHT. NO.

DESIGN

DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE

"AS-BUILTS"

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

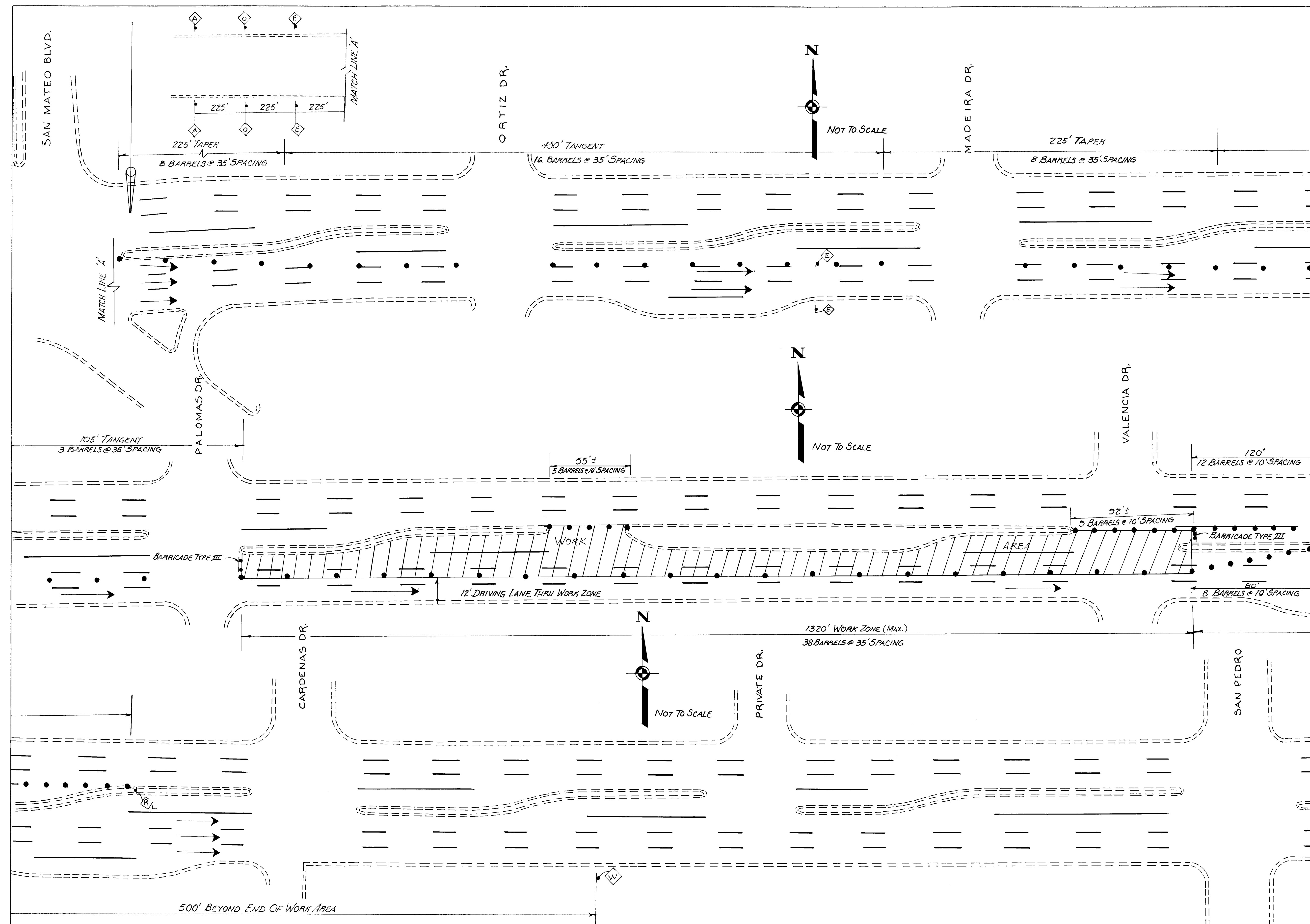
TITLE: **SAN MATEO/GIBSON BLVD. INTERSECTION**
~ PHASE III ~

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Rogelio A. Lopez	10/2/91			
Trans. Dev	R.W. Kane	9-20-91			
Utility Dev	R.W. Kane	10-18-91			

DRAWING NO. M-4078(1) & COA-3671

MAP NO.

SHEET 4-5 OF 4-5



NOTE: FOR SIGN FACE DETAILS, SEE SHEET 4-2.
TYPICAL LANE CLOSURE.

TRAFFIC CONTROL PLAN

[illegible]

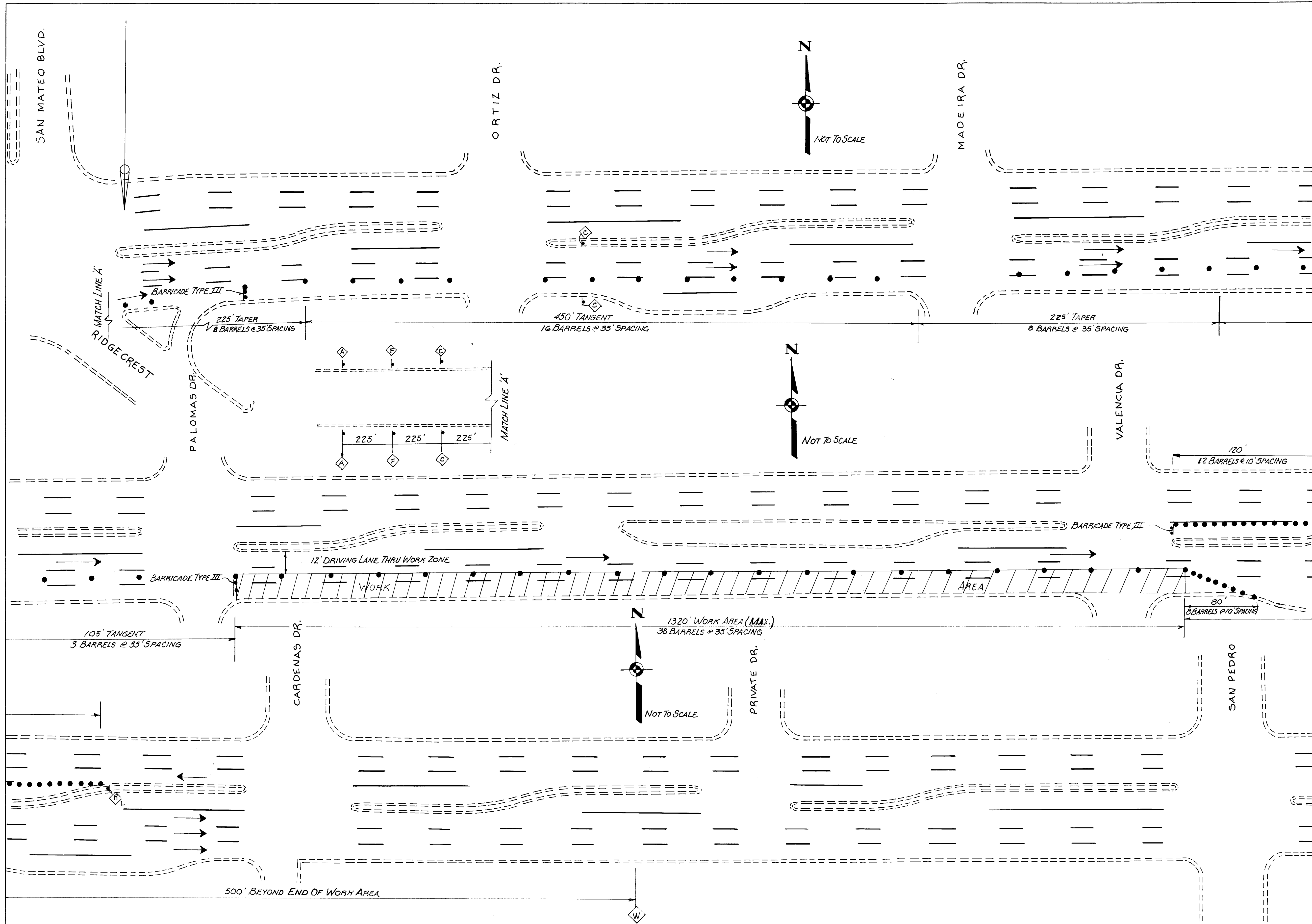
"A S - BUILTS"

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TYPICAL 1/4 MILE CONSTRUCTION SEGMENT
~PHASE I~

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>Rogers</i>	10/12/89			
Trans. Dev.	<i>RHO</i>	9-20-89			
Utility Dev.	<i>R.W. Kane</i>	10-18-89			

DRAWING M-4078(1) NO. E COA-3671	MAP NO.	SHEET 4-7 OF
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26 36713691

"AS-BUILTS"

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TYPICAL 1/4 MILE CONSTRUCTION SEGMENT - PHASE II -					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Rogelio S. Gomez	10/12/89			
Trans. Dev	W.D.	9-20-89			
Utility Dev	R.W. Kame	10-18-89			
DRAWING NO. M-4078(1) & COA-3671			MAP NO. SHEET 4-8 OF		

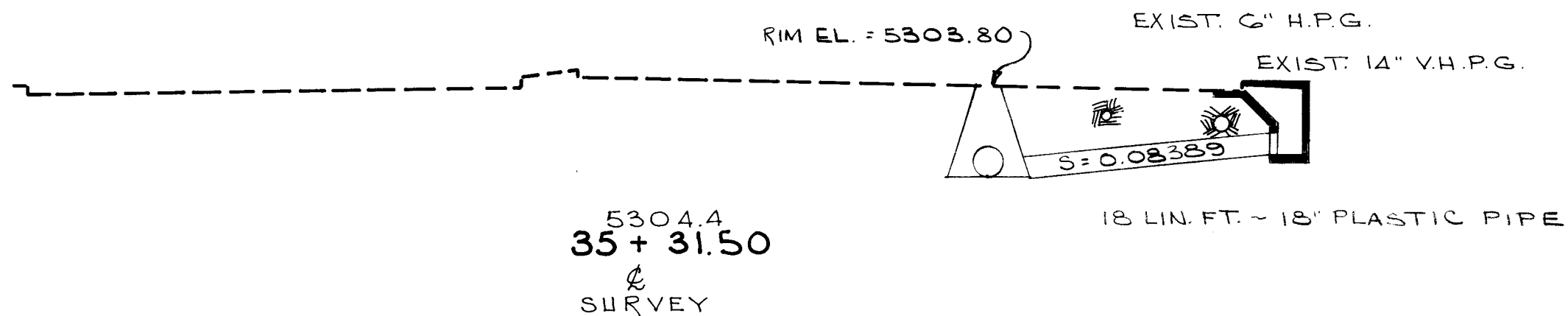
TRAFFIC CONTROL PLAN

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION			
		FIELD NOTES							
		NO.	BY	DATE					
REVISIONS									
DESIGN									
DESIGNED BY	DATE								
DRAWN BY	DATE								
CHECKED BY	DATE								

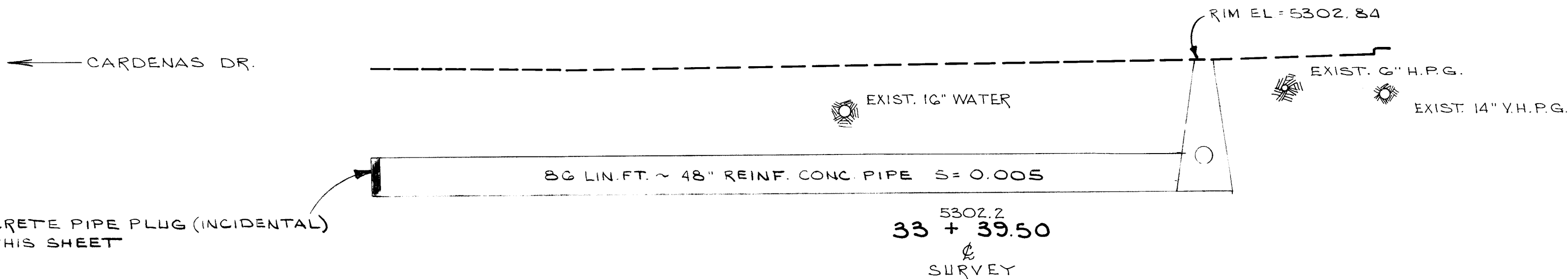


SIGN CODE	No. OF SIGNS	TOTAL SIGN AREA SQ.FT.	POST LENGTHS				MOUNTING REQUIREMENTS						BASE-POSTS	
							FLANGED CHANNEL			DRIVEDOWN POSTS 0.1345 THICK		PORTABLE SIGN SUPPORT		
			LEFT	CTR.	RIGHT	TOTAL	2.25 LB/FT.	3.00 LB/FT.	4.00 LB/FT.	2-3/16 X 2-3/16	2-1/2 X 2-1/2		No.	TOTAL LENGTH
~COA-3671~														
W20-1	4	64.0										3		
W4-2R	4	64.0										4		
W4-2L	4	64.0										4		
W20-5	2	32.0										1		
W6-3	1	16.0										2		
W20-5	2	32.0										5		
R3-2L	7	35.0										6		
G20-2	7	70.0												
ALTERNATE SIGNS & ALTERNATE RTE SIGNS	8	50.00	10.50			84	X			X			16	56
COA-3671 SUB-TOTAL		427.0				84						27	16	56
M-4078(1)														
R3-7R	2	10.0										2		
W20-1	8	128.0										4		
W20-5R	2	32.0										10		
W4-2R	10	160.0										1		
W20-5L	1	16.0										4		
W4-2L	9	144.0										4		
W20-5	1	64.0										4		
W6-3	4	64.0										2		
W1-4R	2	32.0										2		
W20-5	2	32.0										1		
W13-1	1	16.0										7		
W20-5	4	64.0										4		
R3-2L	7	35.0												
G20-2	4	40												
M-4078(1) SUB-TOTAL		837.0										60		
PROJECT TOTAL		1264				84						87		

DRAWING M-4078(1) NO. E COA-3671	MAP NO.	SHEET OF 4-10
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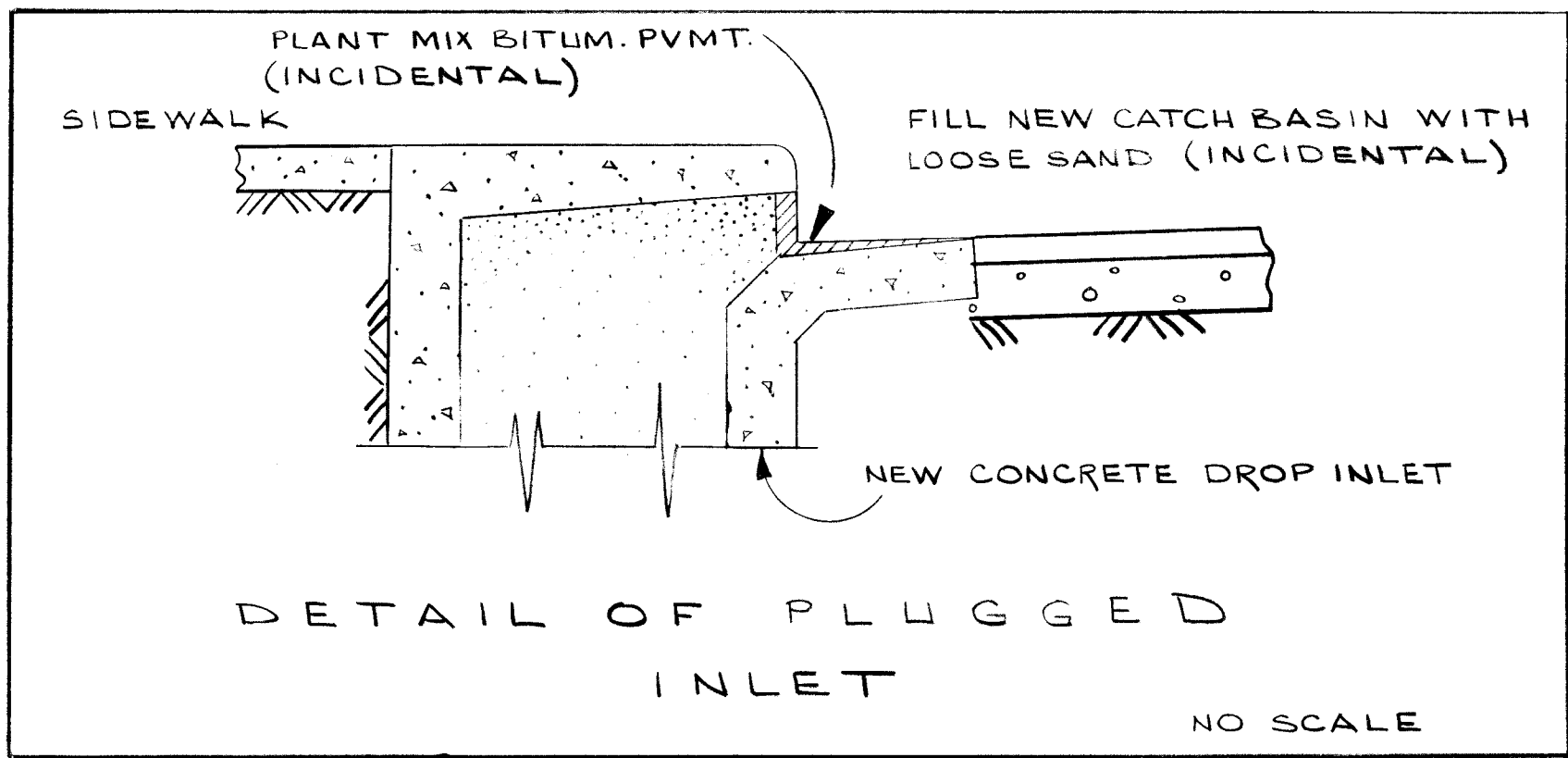


STA 35 + 31.50 & SURVEY GIBSON BLVD., BUILD 1-6' DIA. TYPE "E" MANHOLE 25' RT. &, RIM ELEV. = 5303.80, S. 18" INVERT ELEV. = 5297.49, W 24" INVERT ELEV. = 5297.49, E 18" INVERT ELEV. = 5297.49 STA. 35 + 35 BUILD 1- SPECIAL DROP INLET, 44.0' RT. &, R ELEV. = 5303.27, 18" INVERT ELEV. = 5299.00 & BUILD 1-18" X 18" P.V.C. PLASTIC PIPE (NORMAL) AFTER CONSTRUCTION FILL INLET WITH SAND (SEE DETAIL THIS SHEET) THIS WORK IS TO BE CONSIDERED INCIDENTAL TO CONSTRUCTION OF THE STORM DRAIN AND NO PAYMENT WILL BE MADE THEREFOR.

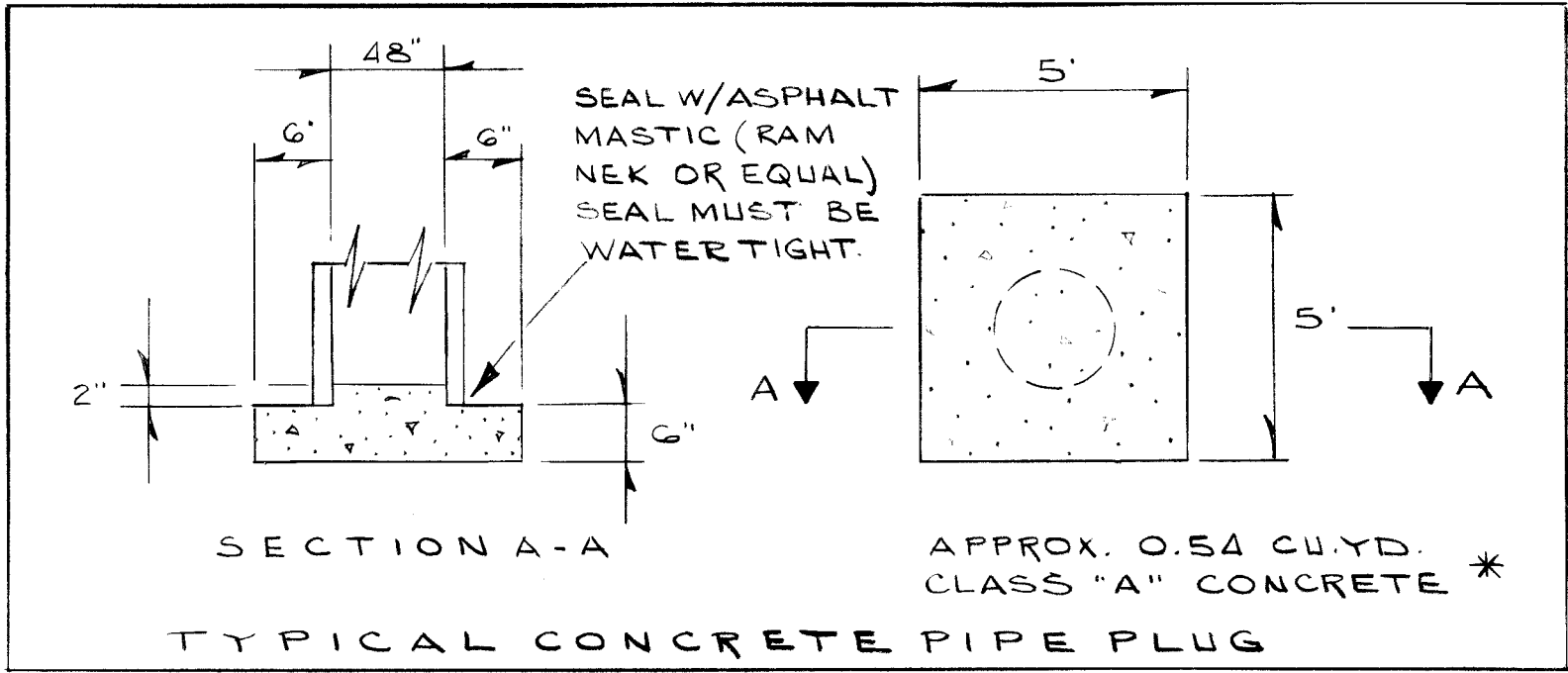


STA 33 + 39.50 & SURVEY GIBSON BLVD., BUILD 1-6' DIA TYPE "E" MANHOLE 25' RT. &, RIM ELEV. = 5302.84, 48" INVERT ELEV. = 5288.68, 24" INVERT EL. = 5291.50, 24" INVERT ELEV. = 5291.50 & BUILD 1-48" X 86" REINFORCED CONCRETE PIPE (NORMAL) PLUG NORTH END WITH REMOVABLE CONCRETE PIPE PLUG. NORTH INVERT ELEV. = 5288.25 (FROM HIGHLAND DETENTION BASIN SYSTEM, DRAWING 2362, SHEET 23 ~ 1985 LEEDSHILL ~ HERKENHOFF)

INSTALL CONCRETE PIPE PLUG (INCIDENTAL) SEE DETAIL THIS SHEET



NOTE: PLUG OUTLET WITH 3/4" MARINE PLYWOOD, ASPHALT WIER OPENING AND CURB & GUTTER DEPRESSION. THIS WORK TO BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.

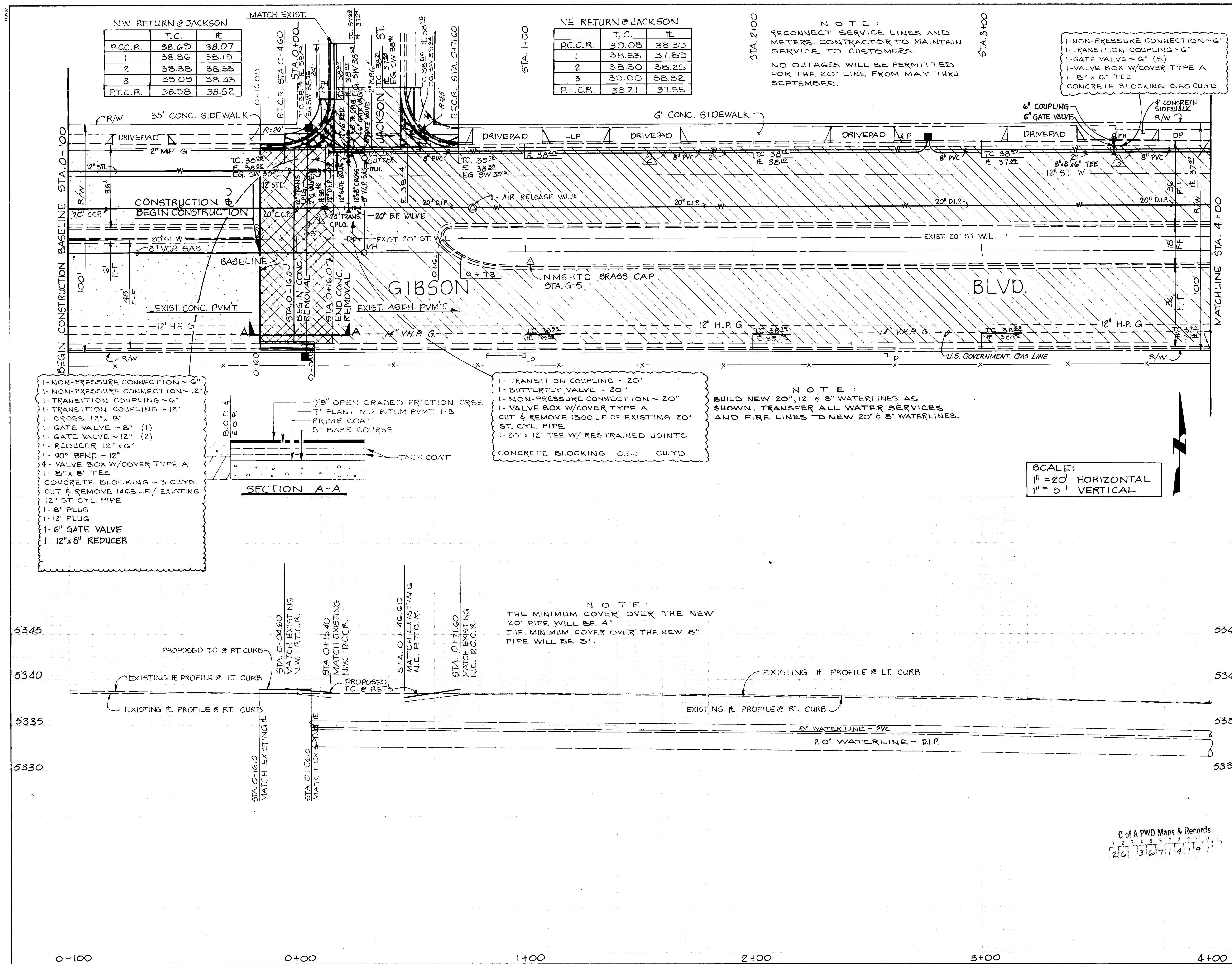


* FOR INFORMATION OF CONTRACTOR ONLY. COST OF INSTALLING CONC. PIPE PLUG TO BE CONSIDERED INCIDENTAL TO CONSTRUCTION OF THE STORM DRAIN AND NO PAYMENT WILL BE MADE THEREFOR.

STORM DRAIN SECTIONS
SCALE
1" = 10' HORIZONTAL & VERT.

"AS-BUILTS"

DATE	NO.	REMARKS	BY
05-10-91	4	AS-BUILT DRAWING	MTE
05-10-91	3	ADD SEAL TO CONC PIPE PLUG	GMK
05-10-91	2	REV. INLET DETAIL	GMK
05-10-91	1	REV. STORM DR. OUTFALL LINE	GMK



NW RETURN @ JACKSON

P.C.C.R.	T.C.	#
1	38.69	38.07
2	38.86	38.13
3	38.38	38.33
4	39.09	38.43
P.T.C.R.	38.98	38.52

NE RETURN @ JACKSON

P.C.C.R.	T.C.	#
1	39.08	38.33
2	38.53	37.83
3	38.30	38.25
4	39.00	38.32
P.T.C.R.	38.21	37.55

NOTE:
RECONNECT SERVICE LINES AND METERS. CONTRACTOR TO MAINTAIN SERVICE TO CUSTOMERS.
NO OUTAGES WILL BE PERMITTED FOR THE 20" LINE FROM MAY THRU SEPTEMBER.

- 1-NON-PRESSURE CONNECTION ~ 6"
- 1-TRANSITION COUPLING ~ 6"
- 1-GATE VALVE ~ 6" (S)
- 1-VALVE BOX W/COVER TYPE A
- 1-8" x 6" TEE
- CONCRETE BLOCKING 0.50 CU.YD.

- 1-TRANSITION COUPLING ~ 20"
- 1-BUTTERFLY VALVE ~ 20"
- 1-NON-PRESSURE CONNECTION ~ 20"
- 1-VALVE BOX W/COVER TYPE A
- CUT & REMOVE 1300 L.F. OF EXISTING 20" ST. CYL. PIPE
- 1-20" x 12" TEE W/ RESTRAINED JOINTS
- CONCRETE BLOCKING 0.50 CU.YD.

NOTE:
BUILD NEW 20", 12" & 8" WATERLINES AS SHOWN. TRANSFER ALL WATER SERVICES AND FIRE LINES TO NEW 20" & 8" WATERLINES.

SCALE:
1" = 20' HORIZONTAL
1" = 5' VERTICAL

SECTION A-A

NOTE:
THE MINIMUM COVER OVER THE NEW 20" PIPE WILL BE 4'.
THE MINIMUM COVER OVER THE NEW 8" PIPE WILL BE 3'.

LEGEND:

- CONCRETE SIDEWALK REMOVAL & REPLACEMENT
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PAVEMENT REMOVAL & REPLACEMENT
- NEW WHEELCHAIR RAMP
- CURB AND GUTTER TO BE REMOVED AND REPLACED
- EXISTING CURB & GUTTER
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING MAST ARM
- EXISTING PULL BOX
- EXISTING RIGHT OF WAY
- EXISTING CHAIN LINK FENCE
- BASELINE
- NEW STORM DRAIN
- EXIST. SIGNAL CONDUIT
- EXISTING PEDESTAL FOUNDATION
- NEW SIGNAL CONDUIT
- INSTALL MAST ARM FOUNDATION-TYPE II
- INSTALL PEDESTAL FOUNDATION
- INSTALL LARGE PULL BOX
- INSTALL TRAFFIC SIGNAL MANHOLE
- INSTALL QUAD LOOP
- INSTALL METER PEDESTAL
- WATER LINE TEE
- AIR RELEASE VALVE
- PROPOSED WATER LINE
- INSTALL WATER VALVE
- WATERLINE CAP
- INSTALL CONCRETE BLOCKING
- TEMPORARY PAVEMENT PATCHING

AS BUILT INFORMATION

CONTRACTOR: KYLE COBB

WORK STARTED BY: KYLE COBB

DATE: 10/18/89

FIELD ACCEPTANCE BY: KYLE COBB

DATE: 10/18/89

DESIGNED BY: R.W. KANE

DRAWN BY: R.W. KANE

CHECKED BY: R.W. KANE

REVISIONS

NO.	DATE	REMARKS
1	10/18/89	REV. CURB & GUTTER REPLACEMENT
2	10/18/89	REV. WATERLINE & INCLUDE PROFILE
3	10/18/89	REV. PLAN & QUANTITIES
4	10/18/89	ADD SYMBOL FOR CONC. BLOCKING
5	10/18/89	AS-BUILT DRAWING

ENGINEER'S SEAL

STATE OF NEW MEXICO

ENGINEER

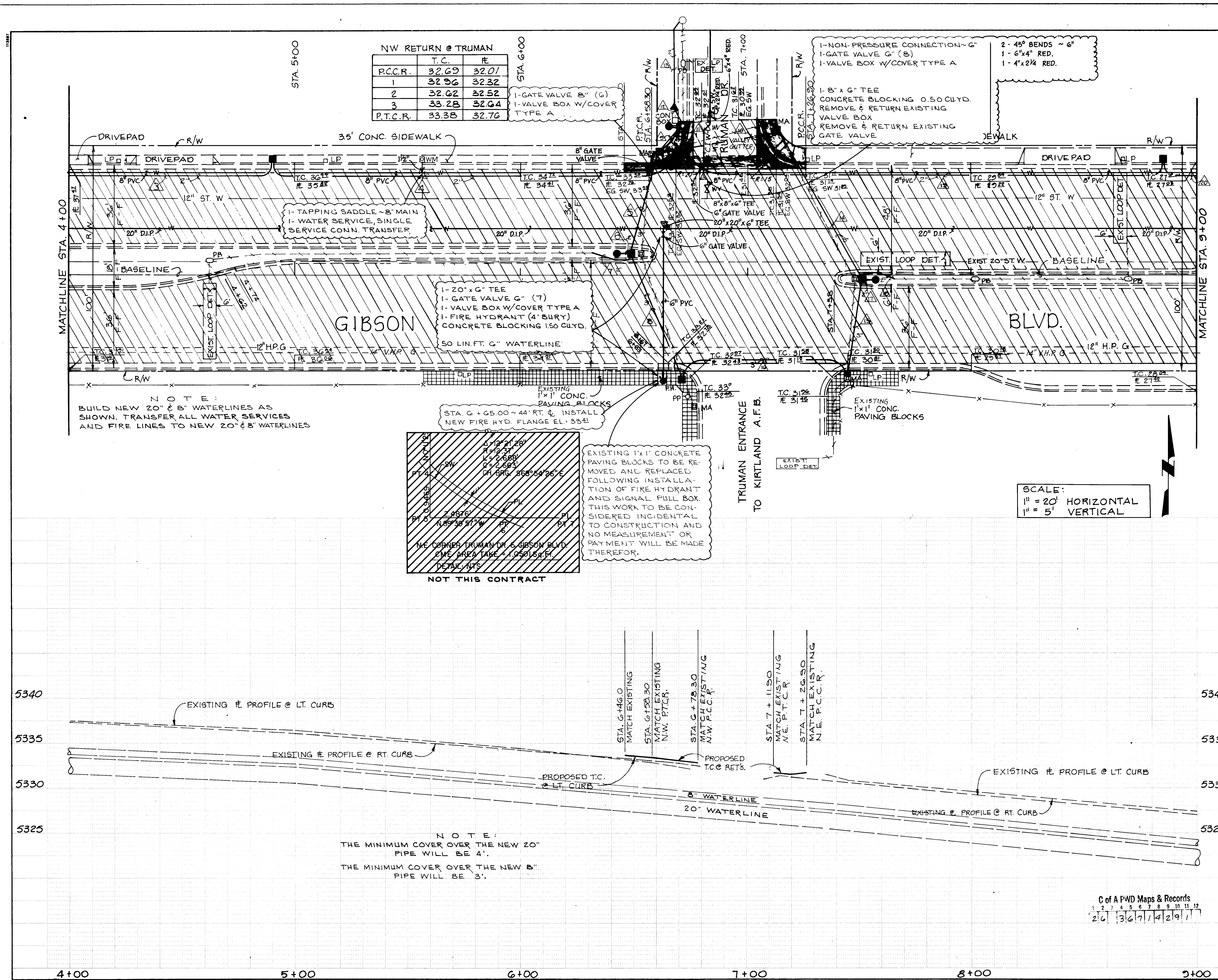
10/18/89

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: GIBSON BLVD.
WATERLINE REPLACEMENT
STA. 0+00 TO STA. 4+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	R.W. Kane	10/18/89			
Trans. Dev.	R.W. Kane	10/18/89			
Utility Dev.	R.W. Kane	10/18/89			

DRAWING NO. 3671 MAP NO. L-17 SHEET 6-1 OF 1



LEGEND:

- CONCRETE SIDEWALK REMOVAL & REPLACEMENT
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PAVEMENT REMOVAL & REPLACEMENT
- NEW WHEELCHAIR RAMP
- CURB AND GUTTER TO BE REMOVED AND REPLACED
- EXISTING CURB & GUTTER
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING MAST ARM
- EXISTING PULL BOX
- EXISTING RIGHT OF WAY
- EXISTING CHAIN LINK FENCE
- BASELINE
- NEW STORM DRAIN
- EXIST SIGNAL CONDUIT
- EXISTING PEDESTAL FOUNDATION
- NEW SIGNAL CONDUIT
- INSTALL MAST ARM FOUNDATION-TYPE II
- INSTALL PEDESTAL FOUNDATION
- INSTALL LARGE PULL BOX
- INSTALL TRAFFIC SIGNAL MANHOLE
- INSTALL QUAD LOOP
- INSTALL METER PEDESTAL
- NEW WATER LINE TEE
- CONCRETE BLOCKING PROPOSED WATERLINE
- INSTALL NEW WATER VALVE
- AIR RELEASE VALVE WATERLINE CAP
- INSTALL NEW FIRE HYD.

NOTE:
THIS SHEET TO BE USED FOR WATERLINE CONSTRUCTION ONLY.

TEMPORARY PAVEMENT PATCHING

AS BUILT INFORMATION

CONTRACTOR: KYLE CORP.
WORK STARTED BY: [Signature]
DATE: 10/18/89
ACCEPTED BY: [Signature]
DATE: 10/18/89

BENCH MARKS

A STANDARD NM8HTD BRASS TABLET SET IN TOP OF CONCRETE POST FLUSH WITH GROUND @ EAST MEDIAN AT THE INTERSECTION OF GIBSON BLVD. & JACKSON ST. SE STAMPED "STA. G-5" ELEV. = 5332.556

ENGINEER'S SEAL

STATE OF NEW MEXICO
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

REVISIONS

NO.	DATE	REMARKS
1	10-18-89	REV PLAN & QUANTITIES
2	10-18-89	ADD SYMBOL/CONC. BLOCKING
3	05-10-91	"AS-BUILT" DRAWING

DESIGNED BY: [Signature]
DRAWN BY: [Signature]
CHECKED BY: [Signature]

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

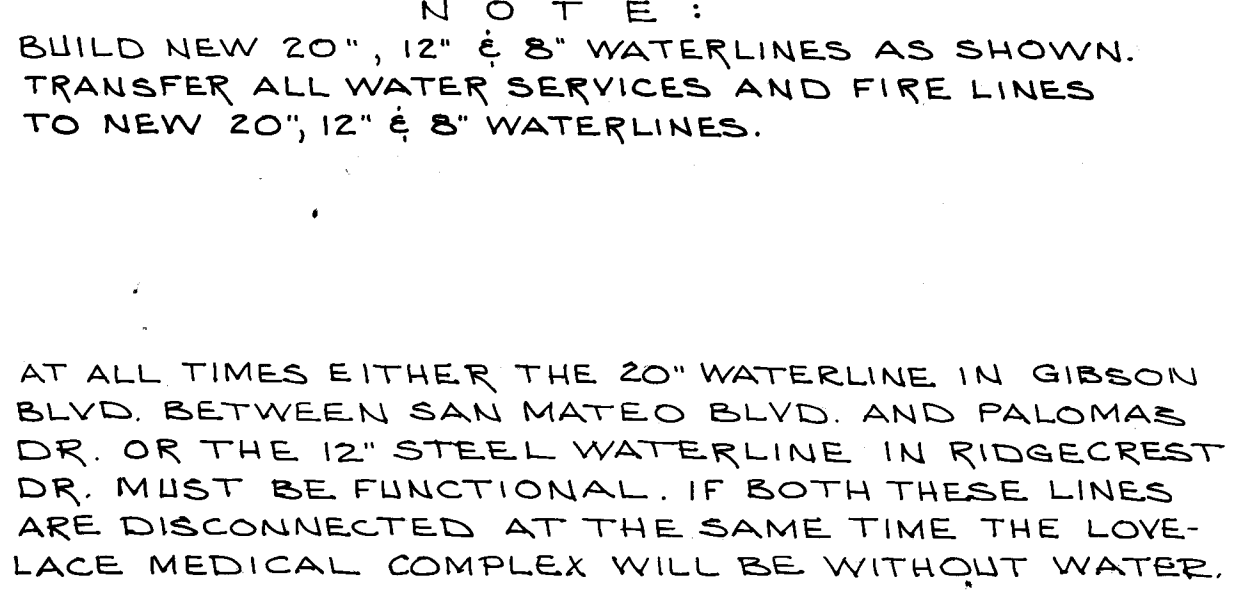
**TITLE: GIBSON BLVD.
WATERLINE REPLACEMENT
STA. 4+00 TO STA. 9+00**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	[Signature]	10/18/89			
Trans. Dev.	N.A. R.W.	9-20-89			
Utility Dev.	R.W. Kane	10-18-89			

DRAWING NO. 3671 **MAP NO. L-17** **SHEET 6-2 OF**

C of A PWD Maps & Records
26 3671 4291

"AS-BUILTS"



DETAIL OF SPECIAL WHEEL CHAIR RAMPS
NO SCALE

SECTION A-A

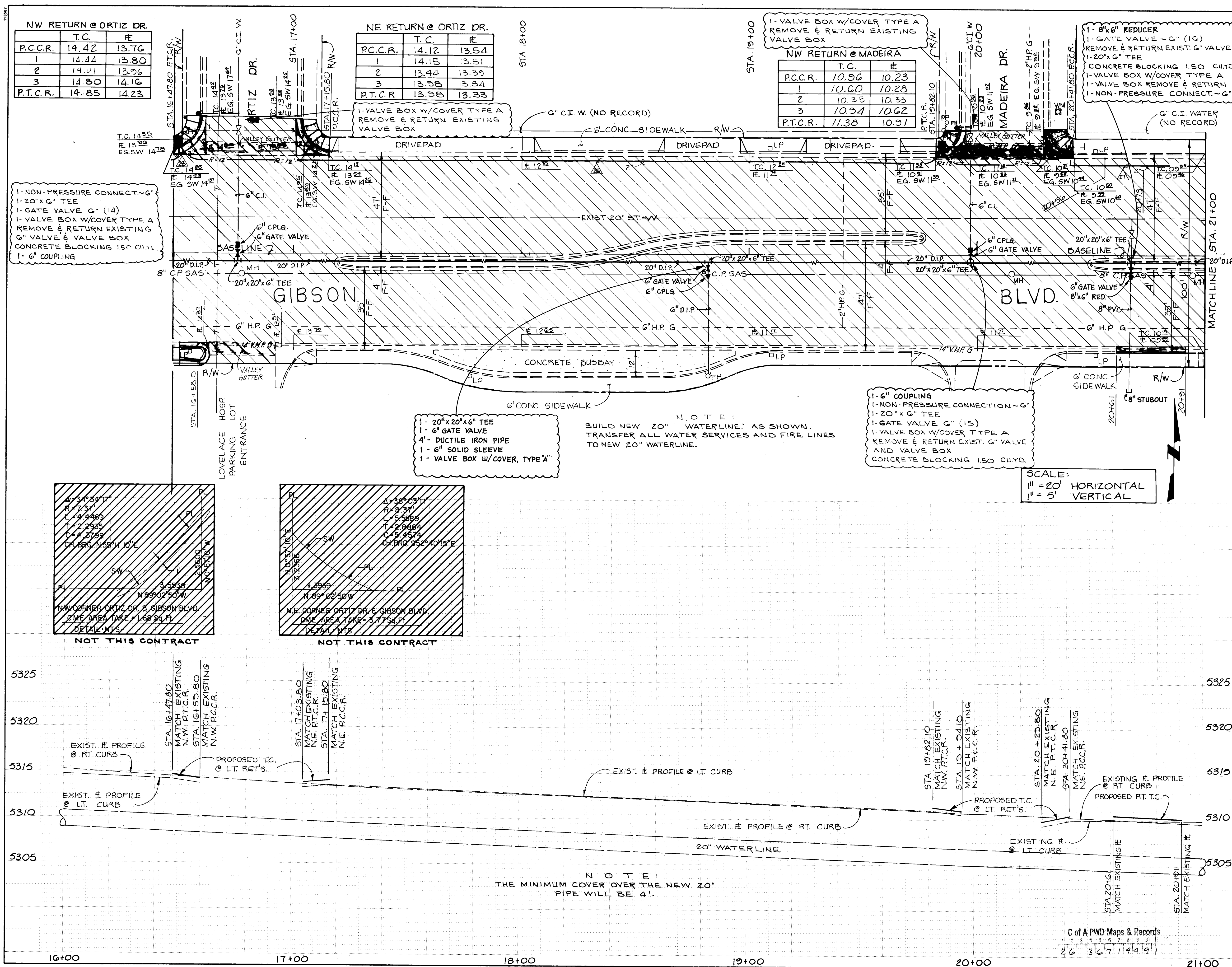
NO SCALE

N O T E :

THE MINIMUM COVER OVER THE NEW 20" PIPE WILL BE 4'.

THE MINIMUM COVER OVER THE NEW 8" & 12" PIPES WILL BE 3'.

LEGEND:		AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		DESIGN	
	CONCRETE SIDEWALK REMOVAL & REPLACEMENT		CONCRETE PAVEMENT REMOVAL		ASPHALT PAVEMENT REMOVAL & REPLACEMENT		NEW WHEELCHAIR RAMP		CURB AND GUTTER TO BE REMOVED AND REPLACED		EXISTING CURB & GUTTER
	EXISTING SANITARY SEWER LINE		EXISTING WATER LINE		EXISTING GAS LINE		EXISTING SANITARY SEWER MANHOLE		EXISTING WATER VALVE		EXISTING FIRE HYDRANT
	EXISTING POWER POLE		EXISTING LIGHT POLE		EXISTING MAST ARM		EXISTING PULL BOX		EXISTING RIGHT OF WAY		EXISTING CHAIN LINK FENCE
	BASELINE		NEW STORM DRAIN		EXIST. SIGNAL CONDUIT		EXISTING PEDESTAL FOUNDATION		NEW SIGNAL CONDUIT		INSTALL MAST ARM FOUNDATION - TYPE II
	INSTALL PEDESTAL FOUNDATION		INSTALL LARGE PULL BOX		INSTALL TRAFFIC SIGNAL MANHOLE		INSTALL QUAD LOOP		INSTALL METER PEDESTAL		NEW WATER LINE TEE
	PROPOSED WATER- LINE		INSTALL NEW WATER VALVE		WATERLINE CAP	NOTE: THIS SHEET TO BE USED FOR WATERLINE CONSTRUCTION ONLY.					
	AIR RELEASE VALVE		TEMPORARY PAVEMENT PATCHING		CONCRETE BLOCKING	3 05-10-91 "AS-BUILT" DRAWING 2 10-12-93 ADD SYMBOL / CONC. BLOCKING 1 10-12-93 REV PLAN & QUANTITIES NO. DATE REVISIONS DESIGN DATE DATE DRAWN BY DATE CHECKED BY DATE					
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP											
TITLE: GIBSON BLVD. WATERLINE REPLACEMENT STA. 13+00 TO STA. 16+00											
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE						
D.R.C. Chair	<i>R. R. R. R.</i>	<i>11/1/99</i>									
Trans. Dev.	<i>N. R. R. R.</i>	<i>9-21-99</i>									
Utility Dev.	<i>A. W. R. R.</i>	<i>10-18-99</i>									
DRAWING NO. 3671			MAP NO. L-18			SHEET 6-4			OF		



LEGEND:

- CONCRETE SIDEWALK REMOVAL & REPLACEMENT
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PAVEMENT REMOVAL & REPLACEMENT
- NEW WHEELCHAIR RAMP
- CURB AND GUTTER TO BE REMOVED AND REPLACED
- EXISTING CURB & GUTTER
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING MAST ARM
- EXISTING PULL BOX
- EXISTING RIGHT OF WAY
- EXISTING CHAIN LINK FENCE
- BASELINE
- NEW STORM DRAIN
- EXIST. SIGNAL CONDUIT
- EXIST. PEDESTAL FOUNDATION
- NEW SIGNAL CONDUIT
- INSTALL MAST ARM FOUNDATION-TYPE II
- INSTALL PEDESTAL FOUNDATION
- INSTALL LARGE PULL BOX
- INSTALL TRAFFIC SIGNAL MANHOLE
- INSTALL QUAD LOOP
- INSTALL METER PEDESTAL
- NEW WATER LINE TEE
- INSTALL NEW FIRE HYD.
- PROPOSED WATERLINE
- INSTALL NEW WATER VALVE
- WATERLINE CAP
- AIR RELEASE VALVE
- TEMPORARY PAVEMENT PATCHING
- CONCRETE BLOCKING

AS BUILT INFORMATION

CONTRACTOR: WYLIE CORP.
INSPECTOR: [Signature]
DATE: 10/18/89
BY: [Signature]
DATE: 10/18/89

ENGINEER'S SEAL

DATE: 10/18/89
BY: [Signature]
DATE: 10/18/89

REVISIONS

NO.	DATE	REMARKS
1	10/18/89	REV. PLAN & QUANTITIES
2	10/18/89	ADD SYMBOL/CONC. BLOCKING
3	05-10-91	"AS-BUILT" DRAWING

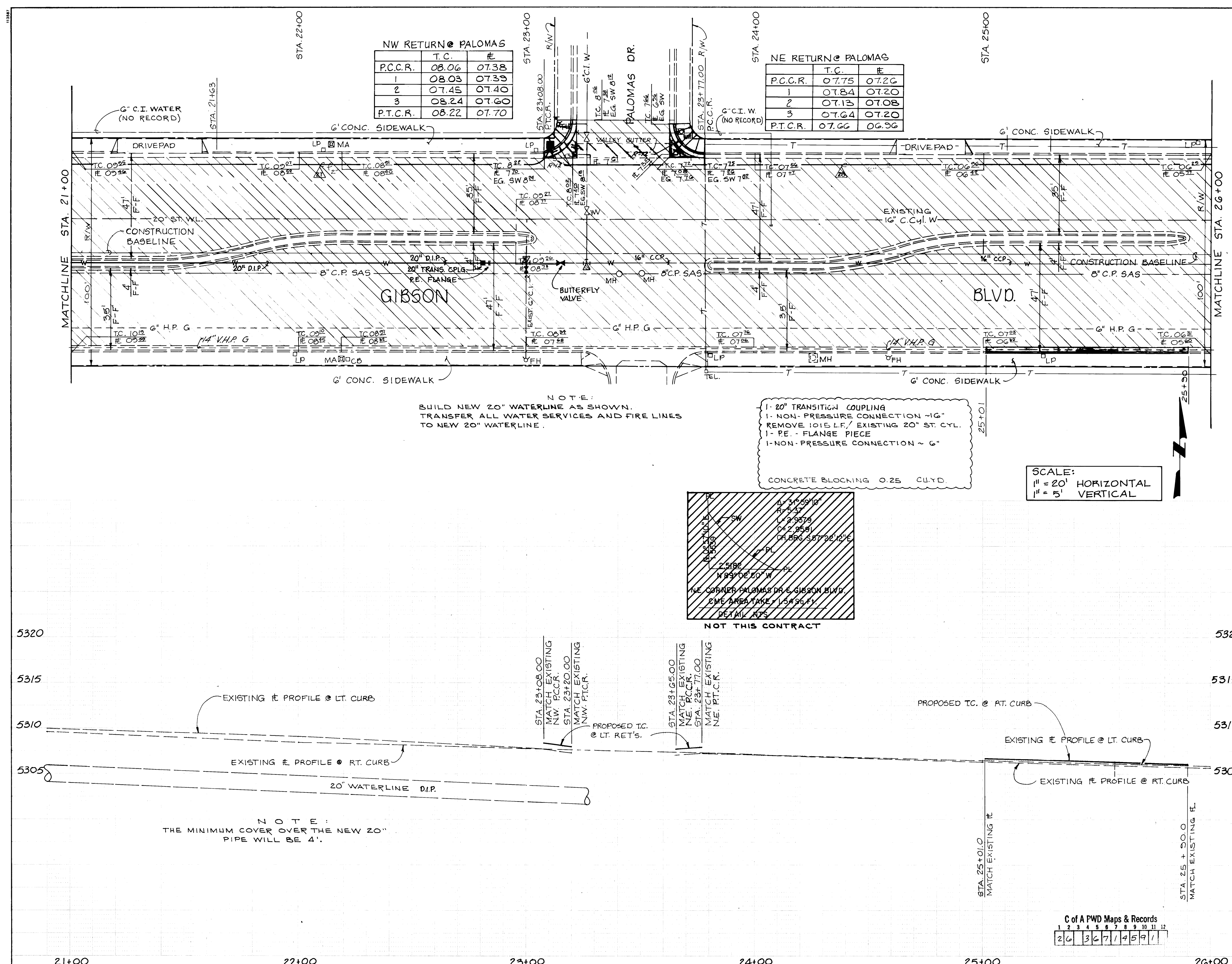
DESIGNED BY [Signature] **DATE** 10/18/89
DRAWN BY [Signature] **DATE** 10/18/89
CHECKED BY [Signature] **DATE** 10/18/89

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: GIBSON BLVD. WATERLINE REPLACEMENT STA. 16+00 TO STA. 21+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	[Signature]	10/18/89			
Trans. Dev.	NPA RHO	9-20-89			
Utility Dev.	R.W. Kame	10-16-89			

DRAWING NO. 3671 **MAP NO. L-18** **SHEET 6-5**



LEGEND:

- CONCRETE SIDEWALK REMOVAL & REPLACEMENT
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PAVEMENT REMOVAL & REPLACEMENT
- NEW WHEELCHAIR RAMP
- CURB AND GUTTER TO BE REMOVED AND REPLACED
- EXISTING CURB & GUTTER
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING MAST ARM
- EXISTING PULL BOX
- EXISTING RIGHT OF WAY
- EXISTING CHAIN LINK FENCE
- BASELINE
- NEW STORM DRAIN
- EXIST. SIGNAL CONDUIT
- EXISTING PEDESTAL FOUNDATION
- NEW SIGNAL CONDUIT
- INSTALL MAST ARM FOUNDATION
- INSTALL PEDESTAL FOUNDATION
- INSTALL LARGE PULL BOX
- INSTALL TRAFFIC SIGNAL MANHOLE
- INSTALL QUAD LOOP
- INSTALL METER PEDESTAL
- NEW WATER LINE TEE
- INSTALL NEW FIRE HYD.
- PROPOSED WATER LINE
- INSTALL NEW WATER VALVE
- WATERLINE CAP
- AIR RELEASE VALVE
- TEMPORARY PAVEMENT PATCHING
- CONCRETE BLOCKING

AS BUILT INFORMATION

CONTRACTOR: KYLE CORP.
STARTED BY: C. GUTERBAUER
ACCEPTANCE BY: KAMS H.T.D. DATE: _____
FIELD NO.: _____
DRAWING NO.: _____
REVISIONS: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____

ENGINEER'S SEAL

SEAL OF THE CITY OF ALBUQUERQUE, NEW MEXICO
JULIA A. MARTIN
REGISTERED PROFESSIONAL ENGINEER
NO. 10135
EXPIRATION DATE: 12/31/2015

REVISIONS

NO.	DATE	REMARKS
1	10/18/89	REV. PLAN & QUANTITIES
2	10/18/89	ADD SYMBOL/CONC. BLOCKING
3	05/10/91	AS-BUILT DRAWING

NOTE:
THIS SHEET TO BE USED FOR WATERLINE CONSTRUCTION ONLY.

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

**TITLE: GIBSON BLVD.
WATERLINE REPLACEMENT
STA. 21+00 TO STA. 26+00**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	R. W. Kame	10/18/89			
Trans. Dev.	R. W. Kame	9-20-89			
Utility Dev.	R. W. Kame	10-18-89			

DRAWING NO. 3671

MAP NO. L-18

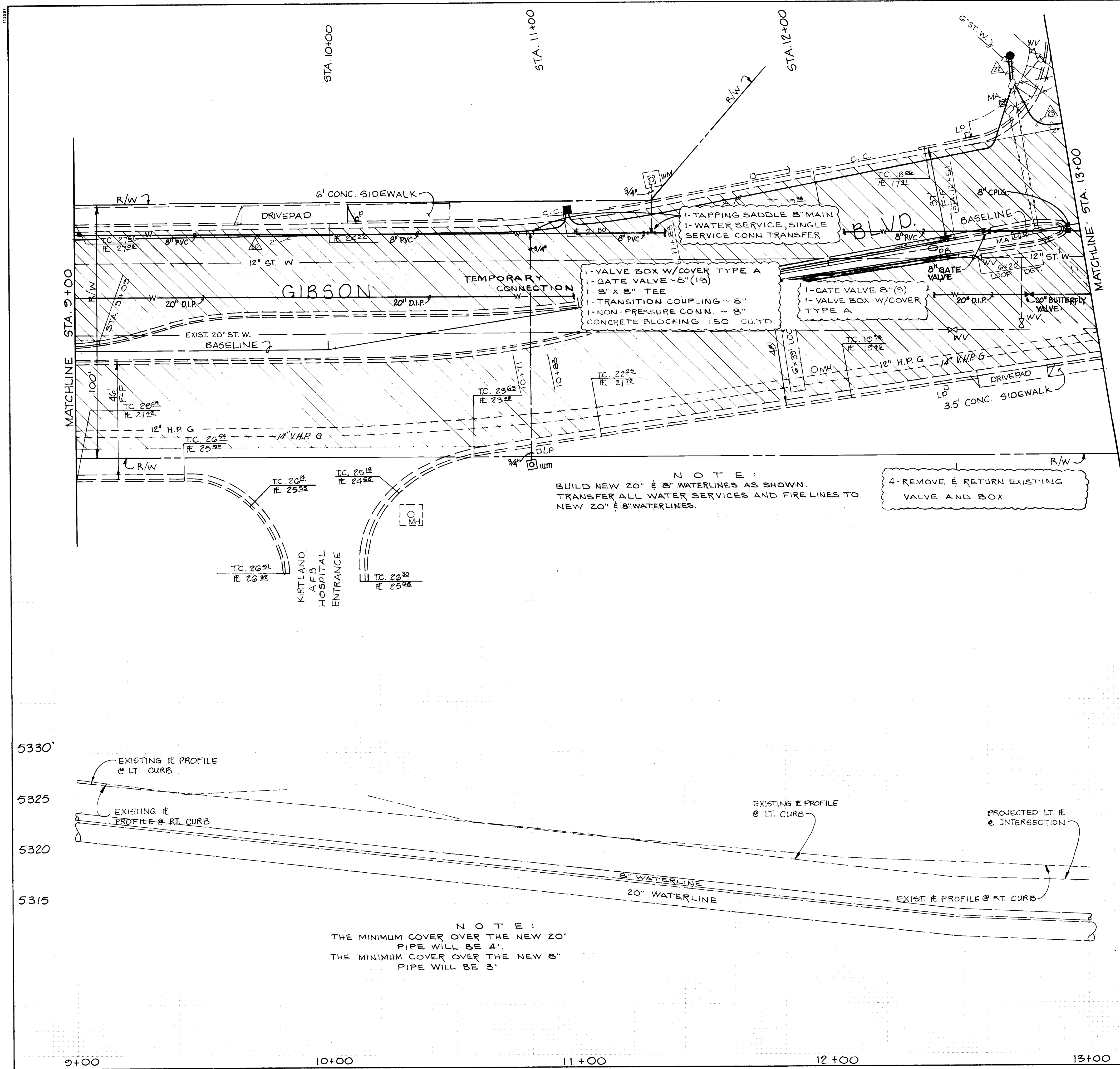
SHEET 6-6

"AS-BUILTS"

C of A PWD Maps & Records

1	2	3	4	5	6	7	8	9	10	11	12
26	36	71	14	5	9	1					

13.000



TEMPORARY CONNECTION
1- 20" x 12" TEE
1- TRANSITION COUPLING ~ 12"
1- 12" GATE VALVE (15)
1- VALVE BOX W/COVER TYPE A
1- NON-PRESSURE CONN. 20"
CONCRETE BLOCKING 150 CUB. YD.

SCALE:
1" = 20' HORIZONTAL
1" = 5' VERTICAL

NOTE:
BUILD NEW 20" & 8" WATERLINES AS SHOWN.
TRANSFER ALL WATER SERVICES AND FIRE LINES TO
NEW 20" & 8" WATERLINES.

4- REMOVE & RETURN EXISTING
VALVE AND BOX

NOTE:
THE MINIMUM COVER OVER THE NEW 20"
PIPE WILL BE 4'.
THE MINIMUM COVER OVER THE NEW 8"
PIPE WILL BE 3'.

LEGEND:

- CONCRETE SIDEWALK REMOVAL & REPLACEMENT
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PAVEMENT REMOVAL & REPLACEMENT
- NEW WHEELCHAIR RAMP
- CURB AND GUTTER TO BE REMOVED AND REPLACED
- EXISTING CURB & GUTTER
- EXISTING SANITARY SEWER LINE
- EXISTING WATERLINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING MAST ARM
- EXISTING PULL BOX
- EXISTING RIGHT OF WAY
- EXISTING CHAIN LINK FENCE
- BASELINE
- NEW STORM DRAIN
- EXIST. SIGNAL CONDUIT
- EXISTING PEDESTAL FOUNDATION
- NEW SIGNAL CONDUIT
- INSTALL MAST ARM FOUNDATION - TYPE II
- INSTALL PEDESTAL FOUNDATION
- INSTALL LARGE PULL BOX
- INSTALL TRAFFIC SIGNAL MANHOLE
- INSTALL QUAD LOOP
- INSTALL METER PEDESTAL
- NEW WATER LINE TEE
- INSTALL NEW FIRE HYD.
- PROPOSED WATER LINE
- INSTALL NEW WATER VALVE
- AIR RELEASE VALVE
- WATERLINE CAP
- TEMPORARY PAVEMENT PATCHING
- CONCRETE BLOCKING

AS BUILT INFORMATION

CONTRACTOR: WYLE CORP.
WORK ORDER NO.:
INSPECTOR'S ACCEPTANCE BY: DATE:
DRAWINGS BY: DATE:
REVISIONS BY: DATE:
MICRO-FILM INFORMATION: DATE:

BENCH MARKS

A STANDARD 3/4" A.C.S. ALUMINUM
TABLET SET IN CONCRETE @ THE
INTERSECTION OF GIBSON BLVD. SE
& SAN MATEO BLVD. & RIDGECREST
DR. 6E, STAMPED "A.C.S. G-4, 1984"
ELEV. = 5317.312

SURVEY INFORMATION

FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

STATE OF NEW MEXICO
ENGINEER
JAMES A. MARTIN
10/1/87

REVISIONS

NO.	DATE	REMARKS
1	10/1/87	ADD SYMBOL & QUANTITIES
2	10/1/87	REV. PLAN & QUANTITIES

DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

**TITLE: GIBSON BLVD.
WATERLINE REPLACEMENT
STA 5+00 TO STA. 13+00**

APPROVALS

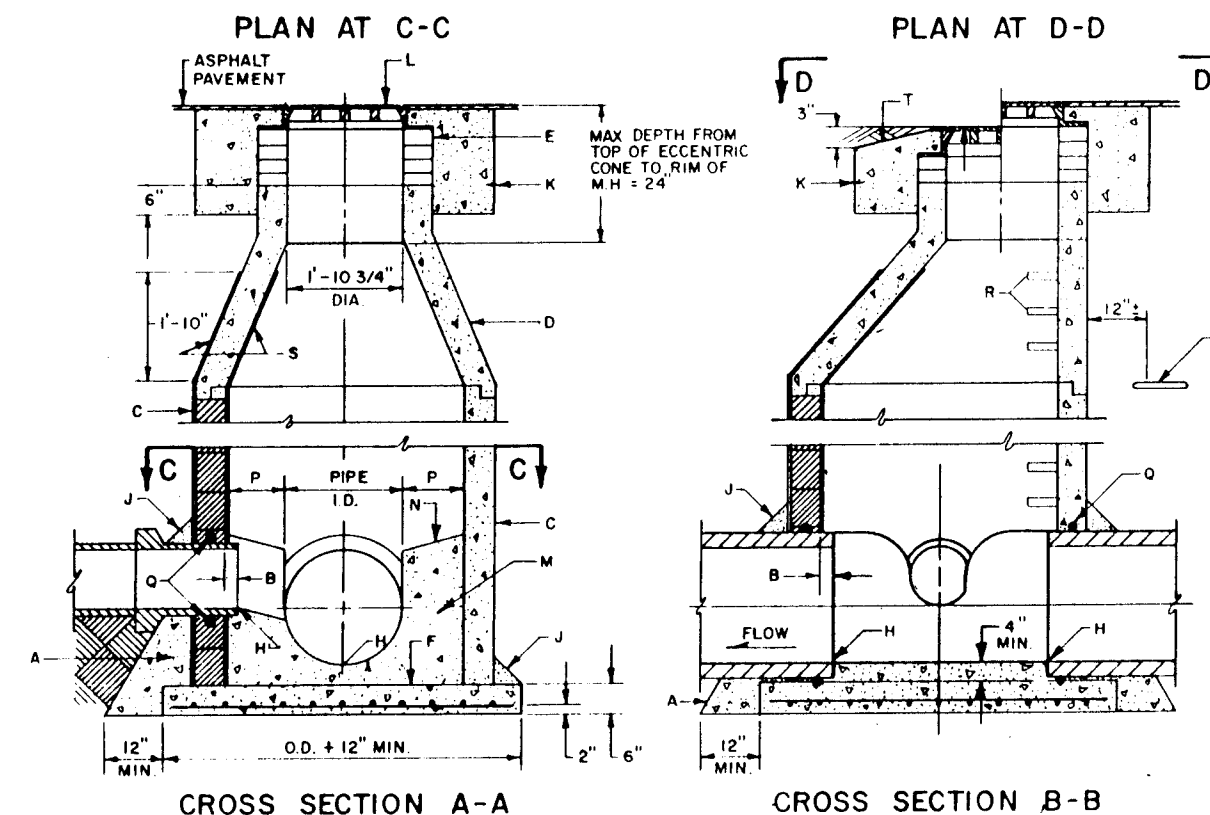
ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	10/1/87			
Trans. Dev.	10/1/87			
Utility Dev.	10/1/87			

C of A PWD Maps & Records

26 36 71 46 91

DRAWING NO. 3671 **MAP NO.** L-17 & L-18 **SHEET** 6-3 **OF**

"AS-BUILTS"



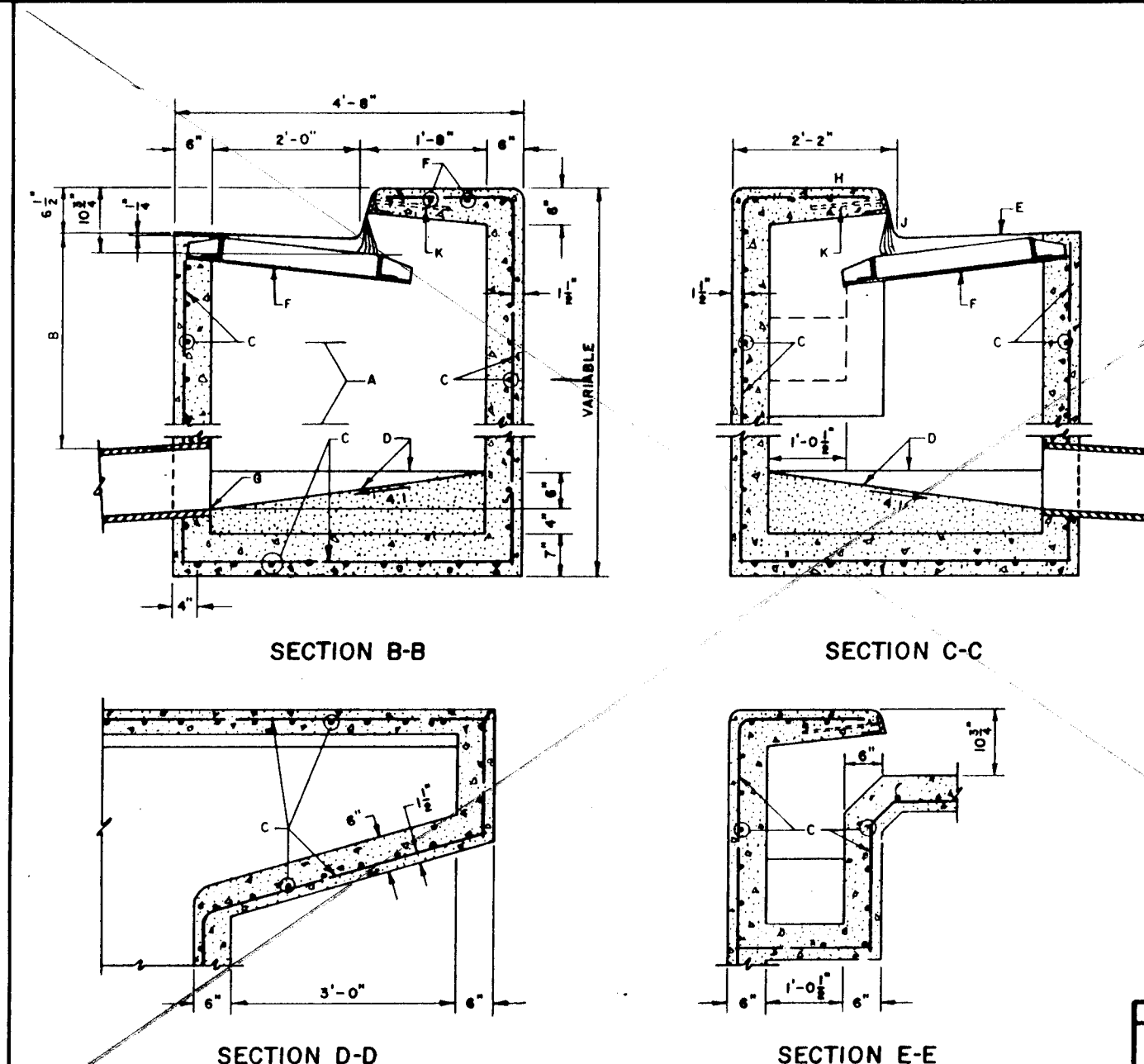
GENERAL NOTES:

- 1 TYPE E MAN NOT TO BE USED FOR DEPTHS LESS THAN 6' MEASURED FROM INV TO MIN
- 2 MAN GREATER THAN 6' IN DIA SHALL BE OF TYPE E-1
- 3 DESIGN APPLICABLE TO 4" AND 6" MANHOLES
- 4 ALL JOINTS TO BE GASKETED AND JOINTS, FILLETS & PIPE PENETRATIONS
- 5 COMPACT ALL BACKFILL AROUND MAN TO 95% POINTING TO FINISHING AT THE UPSTREAM SIDE OF MAIN LINE

CONSTRUCTION NOTES:

- A CONCRETE PIPE SUPPORTS SHALL EXTEND OUTSIDE OF MAN TO TOP OF FIRST JOINT AND SHALL CRADLE PIPE TO SPRING LINE
- B PIPE PENETRATION INTO MANHOLE SHALL BE FULLY GASKETED AND JOINTS FILLED WITH GROUT
- C USE MAX 4 COURSES OF GR. MS BRICK ON INVERT TO PROTECT FUTURE ADJ. OF FRAME TO PAVEMENT GRADE PLASTER INSIDE W/ 1/2" PLASTER
- D BASE TO BE POURED IN PLACE USING NO. 4 REBAR TO BE SET AT 12" ON CENTER TO A DEPTH OF 6" OR GREATER, NO. 8 BAR AT 12" O.C. EXHAUST PIPES TO BE SET AT 12" ON CENTER
- E INV ELEV. OF STUB OR LATERAL AS SHOWN ON PLANS
- F 6" GROUT FILL ON UPPER HALF OF PIPE AND AROUND BASE
- G USE A 5' X 5' CONCRETE PAD IN ALL AREAS
- H W/ A FRAME AND COVER, SEE DWG. 2110
- M CONCRETE FILL, 3000 PSI.
- N SLOPE 1" PER FT FROM PIPE CROWN
- P SHELVE TO BE 9" WIDE MIN
- Q APPROVED WATERSTOP TO BE SPRING TYPE OF PIPE
- R 1/2" GROUT TO BE INSTALLED AS PER SPEC SECTION 920.47
- S END (IN UNPAVED AREAS)
- T 1/2" GROUT TO BE SET FRAME TO GRADE AND SLOPE TOP OF PAD

CITY OF ALBUQUERQUE
SEWER
MANHOLE TYPE "E"
VG. 2102



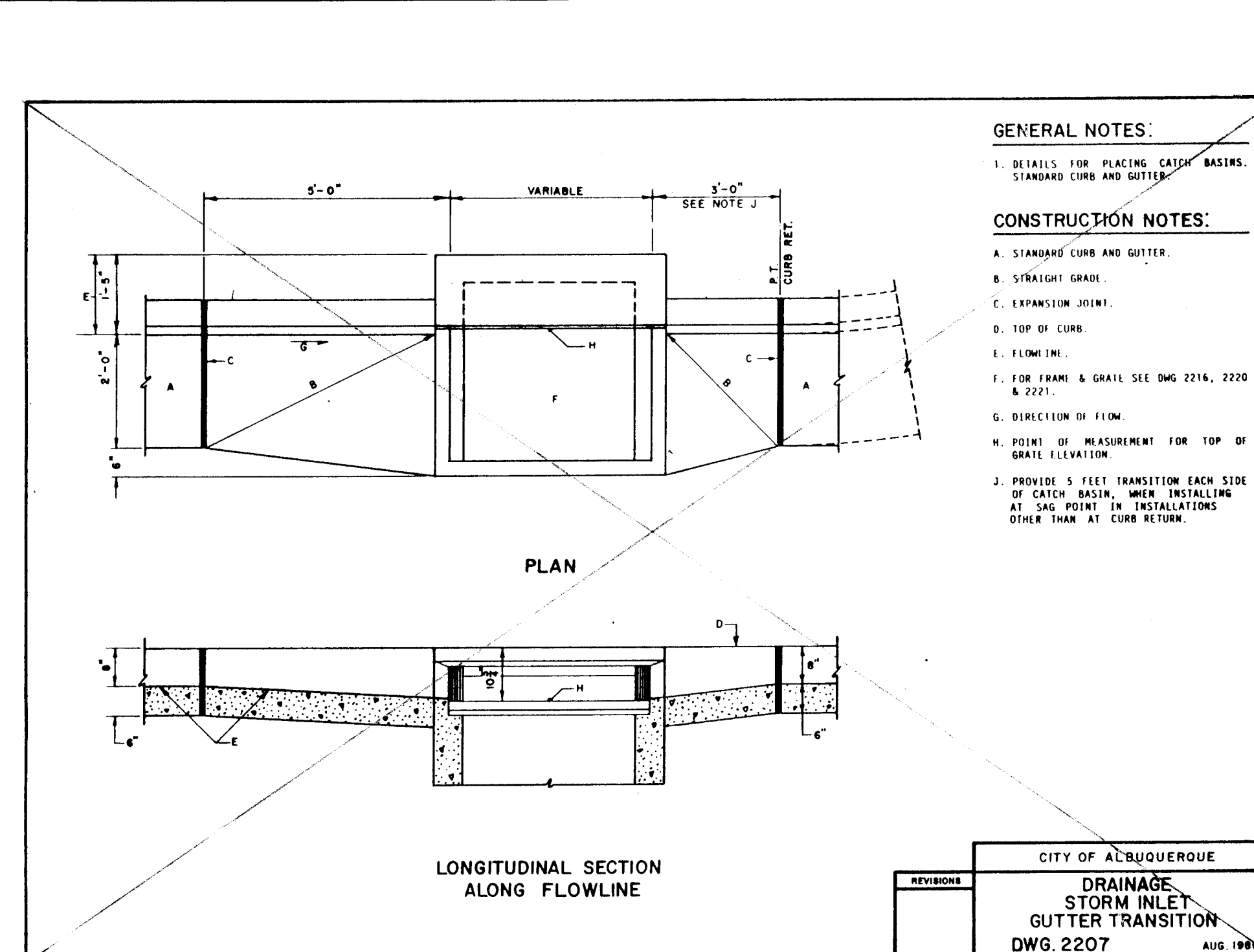
GENERAL NOTES:

1. SEE DWG 2201 FOR PLAN AND SECTION A.A.
2. GENERAL NOTES 2, 3, 8, 4 ON DWG 2201 ALSO APPLY TO THIS DWG.
3. FOR ANCHOR DETAIL, SEE DWG 2204.

CONSTRUCTION NOTES:

- A. STORM INLET STEPS, SEE DWG 2229 FOR SPACING.
- B. 1" - 10" MIN UNLESS OTHER WISE DIRECTED
- C. NO. 4 BARS AT 6" O.C. EACH WAY.
- D. CONCRETE FILL, MINIMUM SLOPES SHOWN IN SECTIONS.
- E. NORMAL GUTTER.
- F. GRATE FRAME.
- G. INVERT ELEVATION PER DESIGN.
- H. TOP OF CURB.
- I. FLOWLINE.
- J. ANGLE ANCHOR.

	CITY OF ALBUQUERQUE
REVISIONS	DRAINAGE STORM INLET TYPE "A" SECTIONS B-B, C-C, D-D & E-E DWG. 2202
	AUG. 1988



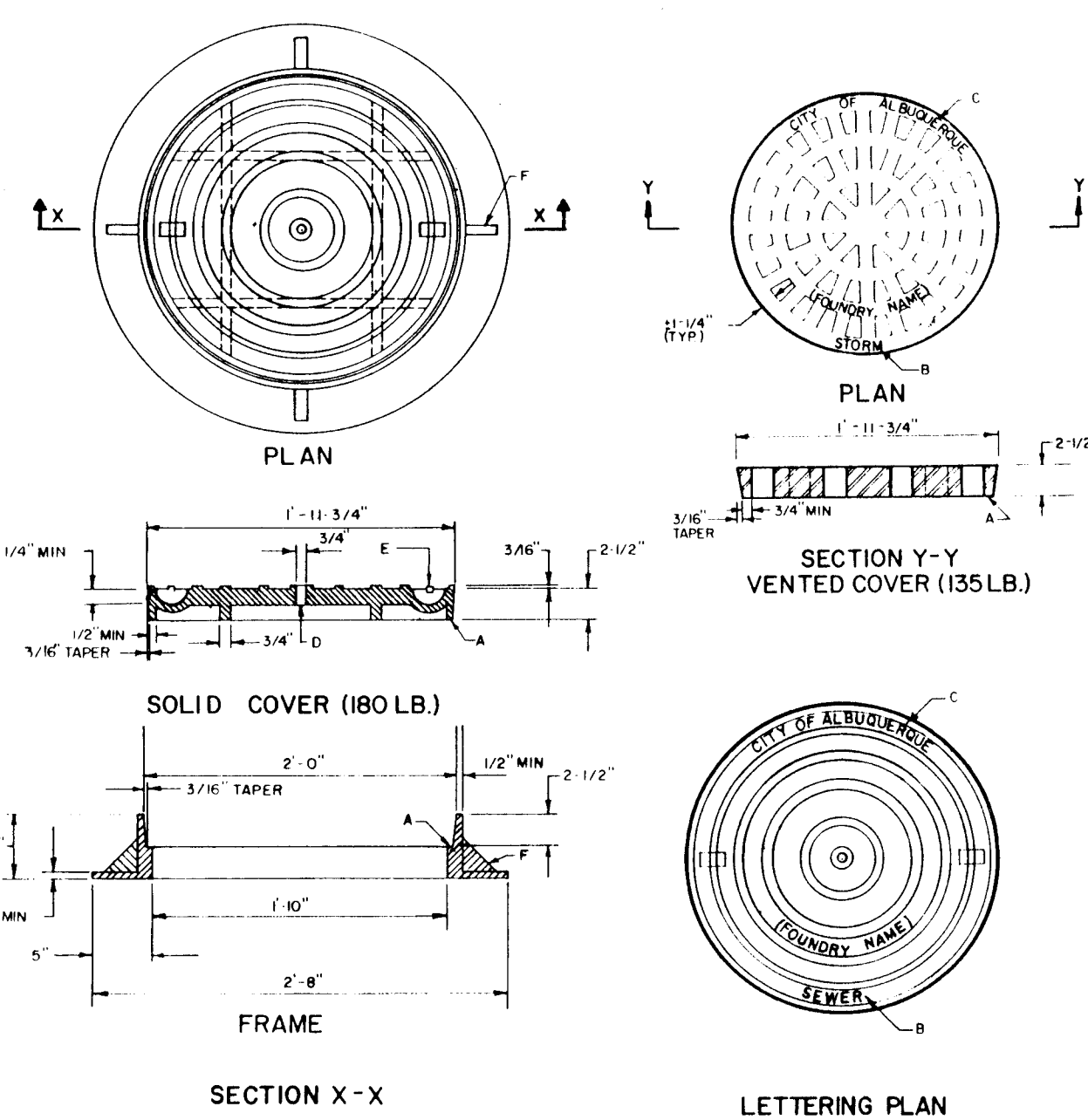
GENERAL NOTES:

1. DETAILS FOR PLACING CATCH BASINS, STANDARD CURB AND GUTTER.

CONSTRUCTION NOTES:

- A. STANDARD CURB AND GUTTER.
- B. STRAIGHT GRADE.
- C. EXPANSION JOINT.
- D. TOP OF CURB.
- E. FLOWLINE.
- F. FOR FRAME & GRATE SEE DMS 2216, 2220 & 2221.
- G. DIRECTION OF FLOW.
- H. POINT OF MEASUREMENT FOR TOP OF GRATE ELEVATION.
- I. PROVIDE 5 FEET TRANSITION EACH SIDE OF CATCH BASIN, WHEN INSTALLING AT RAMP POINT IN INSTALLATIONS OTHER THAN AT CURB POINT.

CITY OF ALBUQUERQUE
DRAINAGE
STORM INLET
GUTTER TRANSITION
DWG. 2207
AUG. 1981



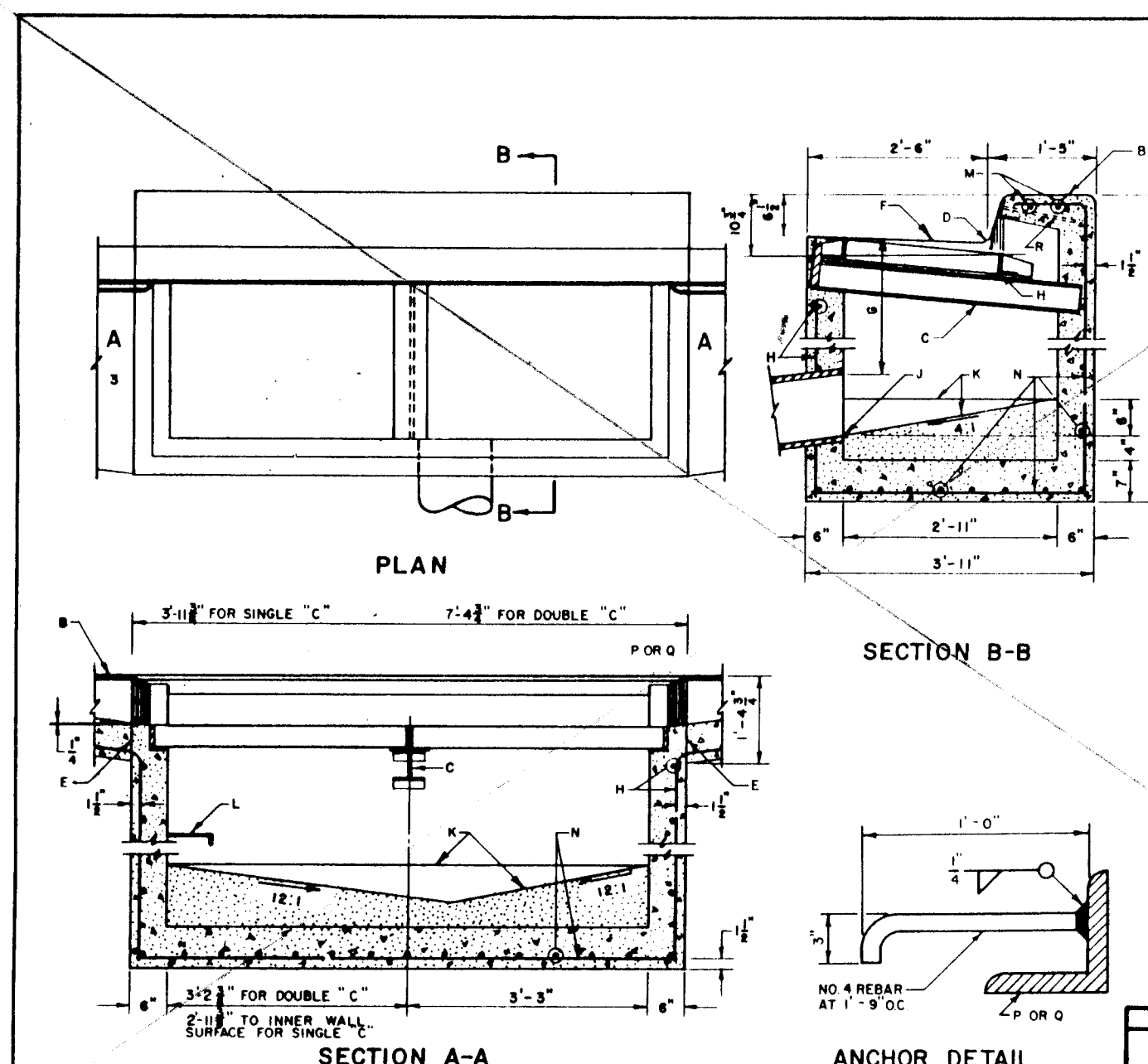
GENERAL NOTES:

- A STANDARD CAST IRON H FRAME AND COVER WEIGHT (COVER: 180 LBS, FRAME: 140 LBS) TOTAL: 325 LBS (TOLERANCE: +15%)
- B REFERENCE SPEC SECTION 130

CONSTRUCTION NOTES:

- A MACHINED OR GROUND BEARING SURFACES
- B SEWER, "WATER," OR "STORM" CAST ON COVER TO IDENTIFY SANITARY SEWER, WATER, OR STORM DRAINAGE SYSTEMS RESPECTIVELY
- C LIFTING HOLES TO BE 1' MIN IN HEIGHT, 1" DIA
- D VENT HOLE REQUIRED
- E MONOLITHIC CAST IRON OR STEEL ROD PRESENTS AT MANUFACTURER'S OPTION IF INSERT IS PROVIDED IT MUST HAVE 1/4" MIN COVER AND LITTLE END ENLARGEMENT AT CASTING
- F GUSSETS OPTION IF REQUESTED BY MANUFACTURER

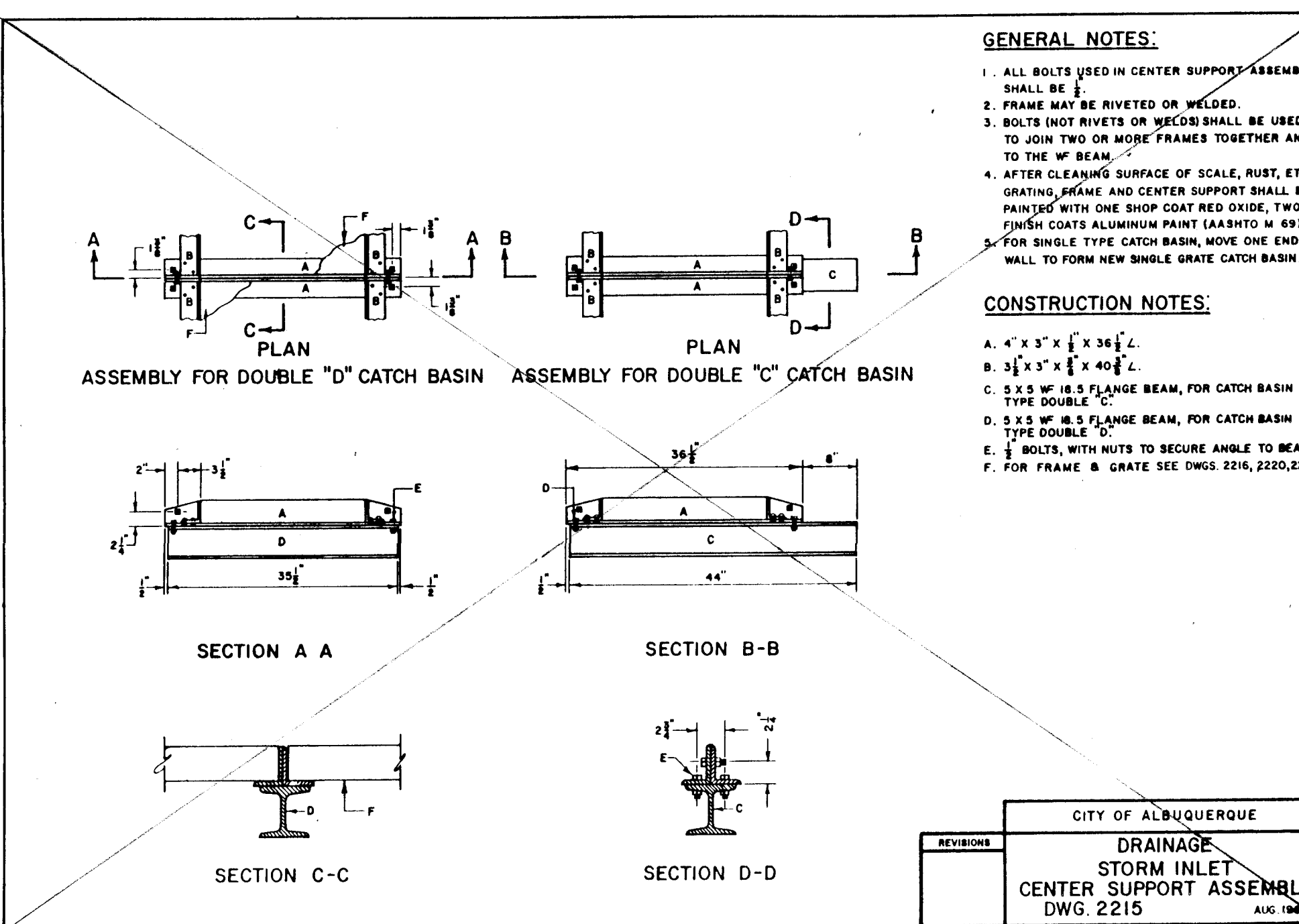
CITY OF ALBUQUERQUE
SEWER
HOLE FRAME AND
2110



GENERAL NOTES:

1. FOR SINGLE GRATE TYPE STORM INLET DELETE CENTER SUPPORT AND MOVE ONE END WALL TO FORM NEW SINGLE GRATE INLET.
2. FOR STORM INLET GUTTER TRANSITION, SEE DWG 2201.
3. OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
4. FOR FRAME & GRATING, SEE DWG 2216, 2220 & 2221.
5. FOR ANCHOR SEE DETAIL.
6. FOR CENTER SUPPORT ASSEMBLY, SEE DWG 2215.

	CITY OF ALBUQUERQUE
REVISIONS	DRAINAGE
	STORM INLET DOUBLE "C"
	DWG 2205
	AUG. 1994



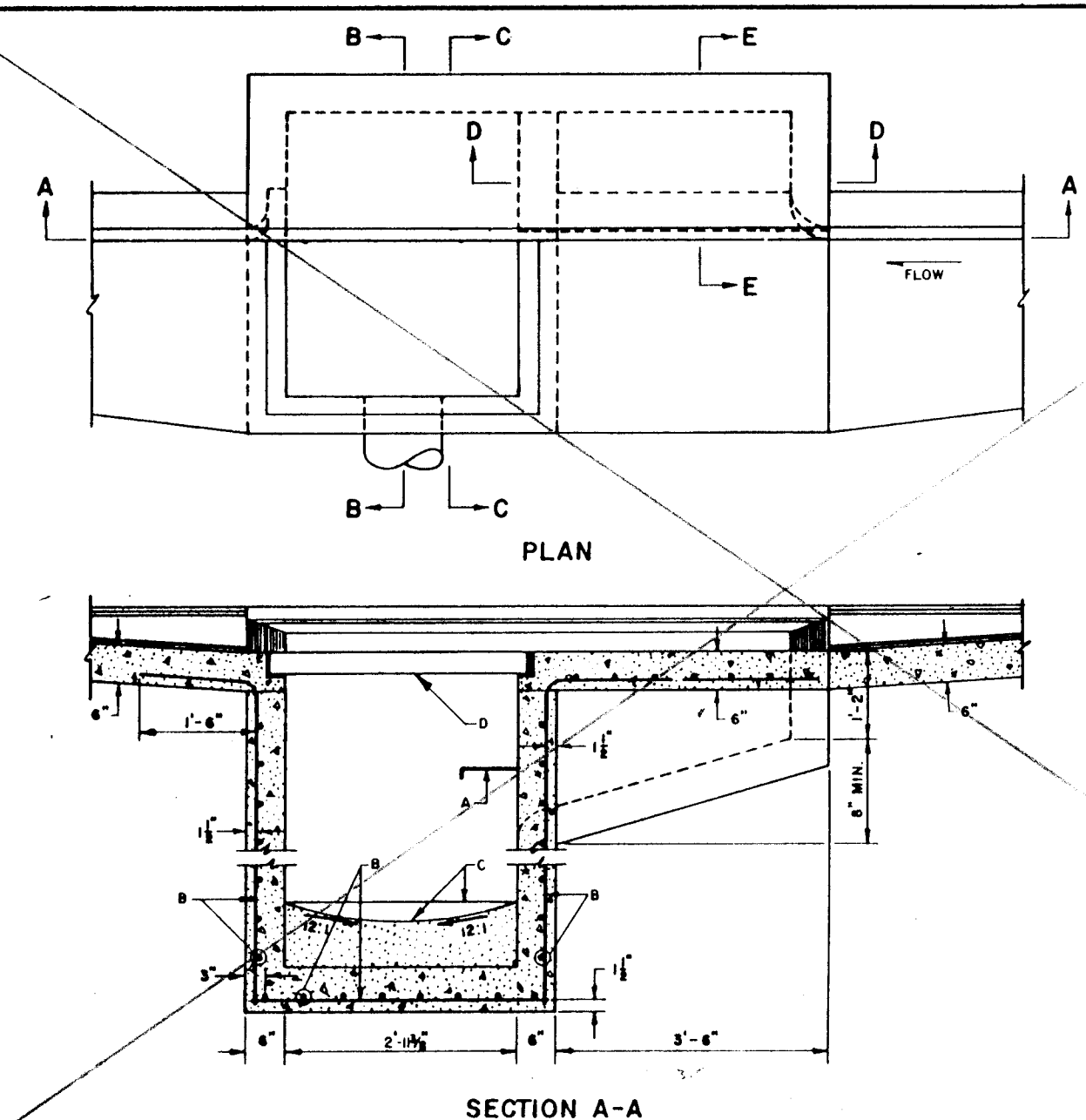
GENERAL NOTES:

1. ALL BOLTS USED IN CENTER SUPPORT ASSEMBLY SHALL BE 3.
2. ALL WELDS SHALL BE RIVETED OR WELDED.
3. BOLTS (NOT RIVETS OR WELDS) SHALL BE USED TO JOIN TWO OR MORE FRAMES TOGETHER AND
4. AFTER CLEANING SURFACE OF SCALE, RUST, ETC GRATING, PLANE AND CENTER SUPPORT SHALL BE PAINTED WITH ONE SHOP COAT RED OXIDE, TWO FINISH COATS ALUMINUM PAINT (SARNOX) IN 50% SOLIDS.
5. FOR SINGLE TYPE CATCH BASIN, ONE ONE END WALL TO FORM NEW SINGLE CATCH BASIN

CONSTRUCTION NOTES:

- A. $4' \times 3' \times \frac{3}{4}" \times 36 \frac{1}{2}"$ L.
- B. $3 \frac{1}{2}' \times 3' \times \frac{3}{4}" \times 40 \frac{1}{2}"$ L.
- C. $5.25' \times 16.5'$ FLANGE BEAM, FOR CATCH BASIN
- D. $5.25' \times 16.5'$ FLANGE BEAM, FOR CATCH BASIN TYPE DOUBBLE D.
- E. $16.5' \times 16.5'$ JOISTS TO SECURE ANGLE TO F.
- F. FOR FRAME A, GATE SEE DWSG 2126, 2220.2

CITY OF ALBUQUERQUE
DRAINAGE
STORM INLET
CENTER SUPPORT ASSEMBLY
DWG. 2215
AUG. 1964



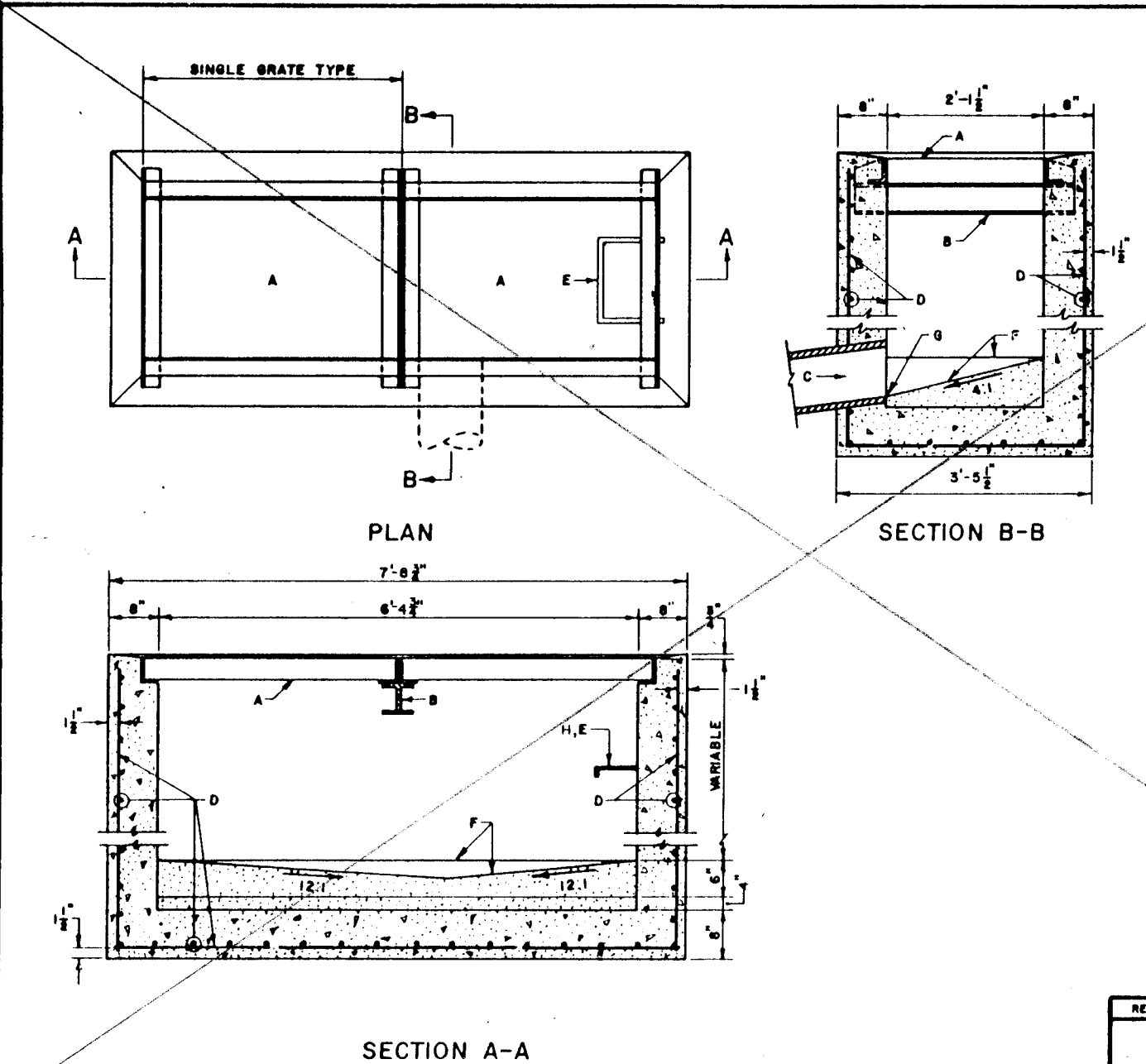
GENERAL NOTES:

1. SEE DWG 2202 FOR TYPE "A" INLET SECTIONS.
2. FOR STORM INLET GUTTER TRANSITION, SEE DWG 2201.
3. OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
4. FOR FRAME & GRATING, SEE DWG 2216, 2220 & 2221.

CONSTRUCTION NOTES:

1. FOR STORM INLET DEPTHS GREATER THAN 4', INSTALL STD STEPS. SEE DWG 2229.
2. NO. 4 BARS AT 6" O. C. EACH WAY.
3. CONCRETE FILL, MINIMUM SLOPE SHOWN IN SECTION A-A.

CITY OF ALBUQUERQUE
DRAINAGE
FORM INLET TYPE
MAN AND SECTION A
G. 2201



GENERAL NOTES:

1. FOR SINGLE GATE TYPE STORM INLET, DUTILE CENTER SUPPORT AND MOVE ONE END WALL TO FORM ONE SINGLE GATE END.
2. STORM INLET GUTTER TRANSITION WILL BE SHOW ON THE CONSTRUCTION PLANS.
3. DUTILE PIPE SIZE, PER DESIGN REQUIREMENT.
4. FOR FRAME & GRATING, SEE DWG 2216, 2220 & 2221.
5. FOR CENTER SUPPORT ASSEMBLY, SEE DWG 2215.

CONSTRUCTION NOTES:

- A. FRAME & GRATE
- B. CENTER SUPPORT ASSEMBLY.
- C. CUT ONE HORIZONTAL AND MOVE ONE END WALL AT PIPE OPENING.
- D. MAX. 4 BARS @ 6" O.C. EACH WAY.
- E. USE STANDARD STEPS, SEE DWG 2229.
- F. CONC. FILL, SEE NOTE C ON DWG 2201.
- G. INVERT PER DESIGN
- H. INSTALL STEPS ON UPSTREAM FACE.

REVISIONS	CITY OF ALBUQUERQUE
	DRAINAGE STORM INLET DOUBLE "D" DWG 2206
	AUG 1986

C of A PWD Maps & Records

1	2	3	4	5	6	7	8	9	10
2	6		3	6	7	1	4	7	9

"AS-BUILTS"

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: _____

TITLE: _____

APPROVALS	ENGINEER	DATE	APPROVALS
D.R.C. Chair	<i>Roger A. Green</i>	<i>4/1/89</i>	
Trans. Dev.	<i>N.A. RHO</i>	<i>9-20-75</i>	
Utility Dev.	<i>R.W. Kame</i>	<i>10-18-89</i>	

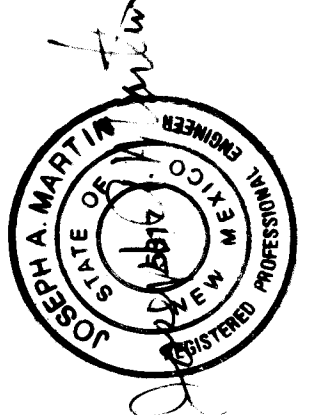
DRAWING NO.	M-4078(1) £ COA-3671	MAP NO.	SHE
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AS BUILT INFORMATION	
CONTRACTOR	WYLLIE CORP.
WORK	
INSPECTED BY	CONTRACTOR DATE
ACCEPTANCE BY	FIELD APPLICATION BY DATE
DRAWINGS	CORRECTED BY DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO	

BENCH MARKS

SURVEY INFORMATION

ENGINEER'S SEAL



1	05-10-91	"A5-BUILT" DRAWING	DATE	BY
REVISIONS				
DESIGN				
DESIGNED BY		DATE		
DRAWN BY		DATE		
CHECKED BY		DATE		

ENGINEER	DATE

7-10

GENERAL NOTES:
1. ALL BENDS AND FITTINGS SHALL BE BLOCKED WITH CONCRETE PER DWG. 2320 OR HAVE APPROVED, RESTRAINED JOINTS TO RESIST THRUST.
2. ALL FITTINGS SHALL BE WRAPPED WITH POLYETHYLENE.

CONSTRUCTION NOTES:
A. EXISTING STEEL PIPE.
B. REDUCE AT TEE, IF EXISTING LINE IS SMALLER THAN NEW LINE.
C. M.J., C.I. ELBOW.
D. NEW O.I. OR P.V.C.
E. TRANSITION COUPLING.
F. EXISTING O.I., OR C.I. OR P.V.C. IF A.C. USE PAD ADAPTOR.
G. M.J., C.I. TEE.
H. GATE VALVE F.L. - M.J.
I. WELDING COLLAR.
J. STEEL WELDING NECK FL.
K. TAR COAT COLLAR, NECK AND DAMAGED PIPE COATING.
L. M.J. FLANGE.
M. FLANGE.
N. PRESSURIZED CONNECTION.
O. M.J., C.I. PLUG.
P. REMOVE AT LEAST 10' OF PIPE TO BE ABANDONED AND CAP OR PLUG.
Q. TAG-WELD SORFICIAL ANODE TO STEEL PIPE.

REVISIONS

CITY OF ALBUQUERQUE
WATER
WATERLINE CONNECTION
DETAILS
DWG. 2301
AUG. 1986

REPLACEMENT OF STEEL LINES 4" TO 12" CONNECTION DETAILS

TRANSITION COUPLING FROM D.I. OR PVC. TO A.C. PIPE

TEE INSERTION D.I., PVC. OR A.C. PIPE

CONNECTION TO STEEL PIPE

CONSTRUCTION NOTES:
A. AREA REMOVED FOR FUTURE RAISING TO GRADE WHEN OVERLAYED (SEE SUBSET DWG. BELOW, ALSO DWG. 2480).
B. ASPHALTIC CONC. BASE COURSE.
C. SURFACE COURSE.
D. CEMENT TREATED BASE COURSE.
E. PORTLAND CEMENT CONC. (ROUGH SURFACE FINISH).
F. COMPACTED EARTH FILL (80% TO 95% OF MAX. DENSITY AS DETERMINED BY A.S.T.M. D. 1557).
G. SPECIAL 12" DIA. CORRUGATED GALV. CULVERT, PIPE IN GA., DIPPED IN COAL TAR ENAMEL, OR COATED WITH POLYMERIC COATING (WHEELING PLASTILOT, MANUFACTURED BY WHEELING CORRUGATING CO. OR APPROVED EQUAL) 3 MILS THICK MIN. MEETING REQUIREMENTS SET BY A.S.T.M. D. 246.
H. RING.
I. COVER.
J. ADJUSTING CAN.
K. CUT ON OUTSET.
L. CUT ON INSET.
M. ORIGINAL CAN.
N. PLACE ADJ. CAN ON ORIGINAL CAN.
O. OUTSET CUT.
P. INSET CUT.
Q. COMPACTED SUBGRADE.
R. 10" MAX. USE STEM EXTENSIONS AS NECESSARY.
T. FOR VALVE STEM EXTENSION SEE DWG. 2331.
U. NEW OR EXISTING VALVE.

REVISIONS

CITY OF ALBUQUERQUE
WATER
VALVE BOX TYPE "A"
DWG. 2325
AUG. 1986

VALVE BOX EXTENSION

SUBSET DRAWING

GENERAL NOTES:
1. THE ENGINEER SHALL PROVIDE DESIGN FOR ALL VALVES GREATER THAN 12".

CONSTRUCTION NOTES:
A. TWO NO. 4 BARS FOR VALVE STRAPS WITH 3" HOOKS, HOOKS TO BE EMBEDDED BELOW BOTTOM OF PIPE. BARS TO BE COATED WITH BITUMINOUS MATERIAL TO PREVENT CORROSION.

REVISIONS

CITY OF ALBUQUERQUE
WATER
WATER VALVE ANCHORAGE
DWG. 2333
AUG. 1986

PIPE SIZE DIM. B

PIPE SIZE	DIM. B
6"	8"
8"	10"
10"	12"
12"	14"

PLACE CONCRETE TO SPRINGLINE OF PIPE

TRENCH WIDTH

TRENCH BOTTOM

8" MIN.

GENERAL NOTES:
1. SEE PLAN AND PROFILE SHEETS FOR LENGTH IN FEET OF RIGID PIPE ON EITHER SIDE OF BEND IN LIEU OF BLOCKING.
2. CARE MUST BE EXERCISED NOT TO OVERHEAT RUBBER GASKET WHEN WELDING.

CONSTRUCTION NOTES:
A. COMPLETE COIL PARALLEL TO END OF PIPE.
B. FIELD WELD AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
C. FIELD-APPLIED CEMENT MORTAR COATING.
D. RUBBER GASKET.
E. STEEL CYLINDER PORTION OF PIPE.

REVISIONS

CITY OF ALBUQUERQUE
WATER
RIGID PIPE JOINT DETAIL
DWG. 2305
AUG. 1986

STEEL AND CONCRETE CYLINDER

GENERAL NOTES:
1. THESE NUTS AND SOCKETS ARE A PART OF THE VALVE STEM EXTENSION, SEE DWG. 2327.
2. VALVE OPERATING NUT WILL DETERMINE SIZE OF NUT AND SOCKET.

CONSTRUCTION NOTES:
1. DIMENSIONS AND MATERIALS FOR 2" VALVE OPERATING NUT:
A. 2" LONG H.R. STEEL BAR, 2" x 2".
B. 2".
C. 1" DIAMETER, SCH 40 (1.315 O.D. x 1.049 I.D.).
D. DRILL .312 DIAMETER HOLE THROUGH PIPE FOR 3/16" DIAMETER CLEVIS PIN/ CLOTTER PIN.
2. DIMENSIONS AND MATERIALS FOR 3" VALVE OPERATING NUT:
A. 2" LONG H.R. STEEL BAR, 3" x 3".
B. 3".
C. 1" DIAMETER, SCH 40 (1.315 O.D. x 1.049 I.D.).
D. DRILL .312 DIAMETER HOLE THROUGH PIPE FOR 3/16" DIAMETER CLEVIS PIN/ CLOTTER PIN.
3. DIMENSIONS AND MATERIALS FOR 2" VALVE EXTENSION SOCKET:
A. 3-1/4" x 3-1/4" x 1/4" H.R. STEEL PLATE.
B. 3-1/4" x 3-1/4" x 1/4" H.R. STEEL PLATE.
C. 2" LONG H.R. STEEL SQUARE TUBULAR SECTION, 2.5" SQUARE OUTSIDE DIMENSION x .1875" WALL.
4. DIMENSIONS AND MATERIALS FOR 3" VALVE EXTENSION SOCKET:
A. 4-1/4" x 4-1/4" x 1/4" H.R. STEEL PLATE.
B. 4-1/4" x 4-1/4" x 1/4" H.R. STEEL PLATE.
C. 3" LONG H.R. STEEL SQUARE TUBULAR SECTION, 3.5" SQUARE OUTSIDE DIMENSION x .1875" WALL.

REVISIONS

CITY OF ALBUQUERQUE
WATER
RING & COVER FOR VALVE BOX
DWG. 2328
AUG. 1986

RING PLAN VIEW

COVER PLAN VIEW

SECTION A-A

SECTION B-B

REVISIONS

CITY OF ALBUQUERQUE
DUCTILE IRON PIPE - BUTTERFLY VALVE
DWG. NO. NUMBER

M.J. 20"

PE. PE. FL. FL.

M.J. 20"

M.J. SHORT SLEEVE

20" FLANGED BUTTERFLY VALVE

GENERAL NOTES:
1. THE ENGINEER SHALL PROVIDE DESIGN FOR ALL JOINTS GREATER THAN 12".

CONSTRUCTION NOTES:
A. UNDISTURBED EARTH.
B. O.D. OF PIPE x 6".
C. O.D. OF CAP OR PLUG, MIN. 12" x 12".

REVISIONS

CITY OF ALBUQUERQUE
WATER
CONCRETE BLOCKING DESIGN
DWG. 2320
AUG. 1986

PLAN

PLAN

PLAN

ELEVATION CONCRETE BLOCKING FOR TEE

ELEVATION CONCRETE BLOCKING FOR PLUG OR CAP

ELEVATION CONCRETE BLOCKING FOR ELBOW

GENERAL NOTES:
1. THESE NUTS AND SOCKETS ARE A PART OF THE VALVE STEM EXTENSION, SEE DWG. 2327.
2. VALVE OPERATING NUT WILL DETERMINE SIZE OF NUT AND SOCKET.

CONSTRUCTION NOTES:
1. DIMENSIONS AND MATERIALS FOR 2" VALVE OPERATING NUT:
A. 2" LONG H.R. STEEL BAR, 2" x 2".
B. 2".
C. 1" DIAMETER, SCH 40 (1.315 O.D. x 1.049 I.D.).
D. DRILL .312 DIAMETER HOLE THROUGH PIPE FOR 3/16" DIAMETER CLEVIS PIN/ CLOTTER PIN.
2. DIMENSIONS AND MATERIALS FOR 3" VALVE OPERATING NUT:
A. 2" LONG H.R. STEEL BAR, 3" x 3".
B. 3".
C. 1" DIAMETER, SCH 40 (1.315 O.D. x 1.049 I.D.).
D. DRILL .312 DIAMETER HOLE THROUGH PIPE FOR 3/16" DIAMETER CLEVIS PIN/ CLOTTER PIN.
3. DIMENSIONS AND MATERIALS FOR 2" VALVE EXTENSION SOCKET:
A. 3-1/4" x 3-1/4" x 1/4" H.R. STEEL PLATE.
B. 3-1/4" x 3-1/4" x 1/4" H.R. STEEL PLATE.
C. 2" LONG H.R. STEEL SQUARE TUBULAR SECTION, 2.5" SQUARE OUTSIDE DIMENSION x .1875" WALL.
4. DIMENSIONS AND MATERIALS FOR 3" VALVE EXTENSION SOCKET:
A. 4-1/4" x 4-1/4" x 1/4" H.R. STEEL PLATE.
B. 4-1/4" x 4-1/4" x 1/4" H.R. STEEL PLATE.
C. 3" LONG H.R. STEEL SQUARE TUBULAR SECTION, 3.5" SQUARE OUTSIDE DIMENSION x .1875" WALL.

REVISIONS

CITY OF ALBUQUERQUE
WATER
VALVE STEM EXTENSION NUTS AND SOCKETS
DWG. 2331
AUG. 1986

PLAN

PLAN

SECTION A-A EXTENSION NUT

SECTION B-B EXTENSION SOCKET

GENERAL NOTES:
1. THE ENGINEER SHALL PROVIDE DESIGN FOR ALL VALVES GREATER THAN 12".

CONSTRUCTION NOTES:
A. FLANGED BUTTERFLY VALVE.
B. PIPE SPOOL, FLANGE TO PLAIN END.
C. DRESSER COUPLING, LONG BODY-SEE SPEC'S.
D. SURFACE TO BE TAR PAPER, WRAPPED AS PER AWWA SPEC'S C 209.
E. JOINT BAR, 1" MIN. SEE SPEC'S.
F. APPLY COAL-TAR ENAMEL.
G. GROUT.
H. ROD, TO BE A-36 STEEL. SEE CHART ABOVE.
I. PIPE SPOOL, PLAIN END.
J. CONCRETE CYLINDER PIPE.
K. WELD, SEE CHART ABOVE.
L. WELD, SEE CHART ABOVE.
M. PLATE LENGTH, SEE CHART ABOVE.
N. NUT AND WASHER, EACH END.
O. BOLT, 1/2" DIA.
P. PIPE SPACER, 1" I.D.
Q. SPOOL, PLAIN END SEE CHART ABOVE.
R. ROD DIA. PLUS 1/8".
S. 3/4" STEEL PLATE.

REVISIONS

CITY OF ALBUQUERQUE
WATER
CONC. CYL. BUTTERFLY VALVE INSTALLATION DETAILS
DWG. 2351
AUG. 1986

PLAN BUTTERFLY VALVE INSTALLATION DETAIL

3 ROD SPACING DETAIL "A"

6 ROD SPACING DETAIL "B"

6 ROD SPACING DETAIL "C"

THRUST RESTRAINT DETAILS

NOT USED

NOT USED

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:

APPROVALS

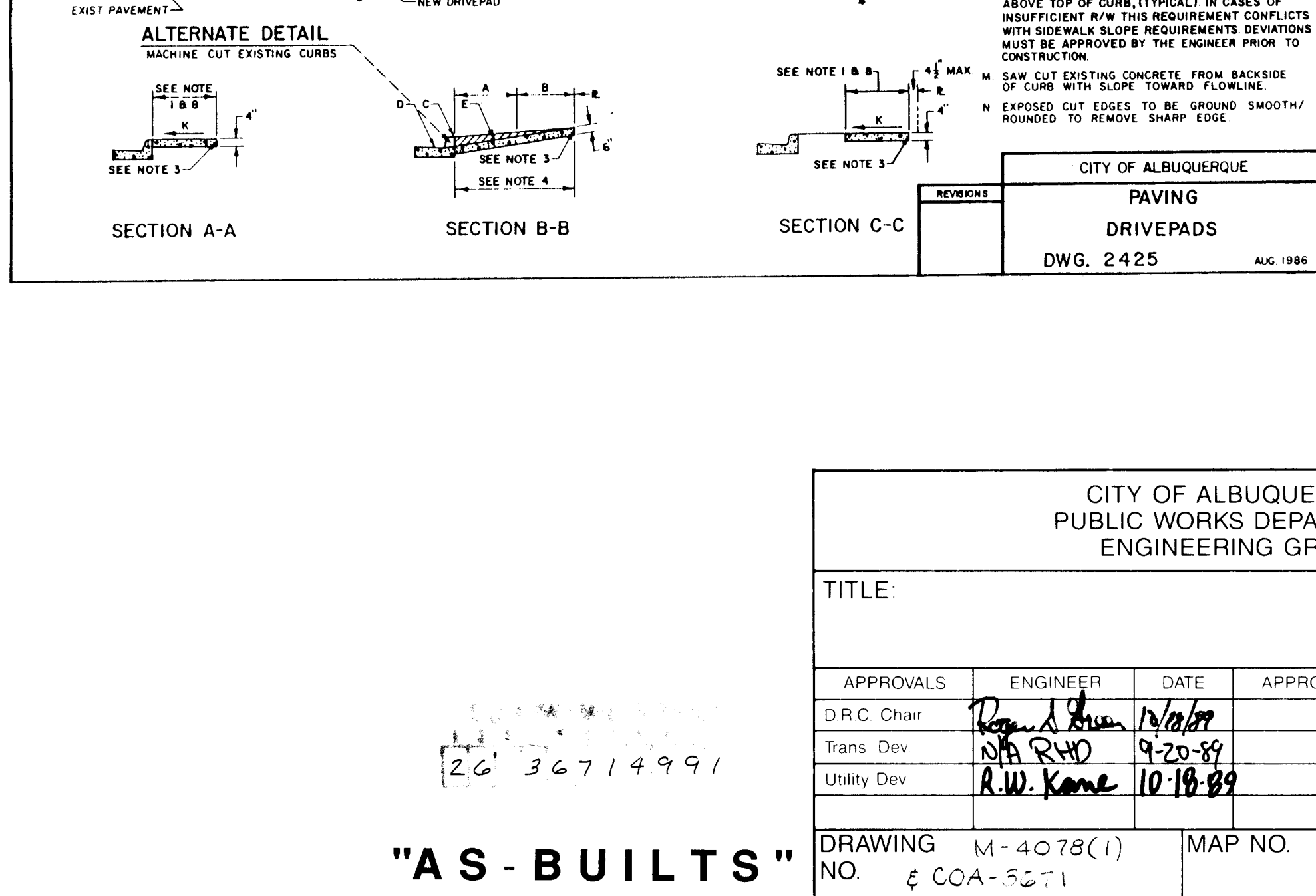
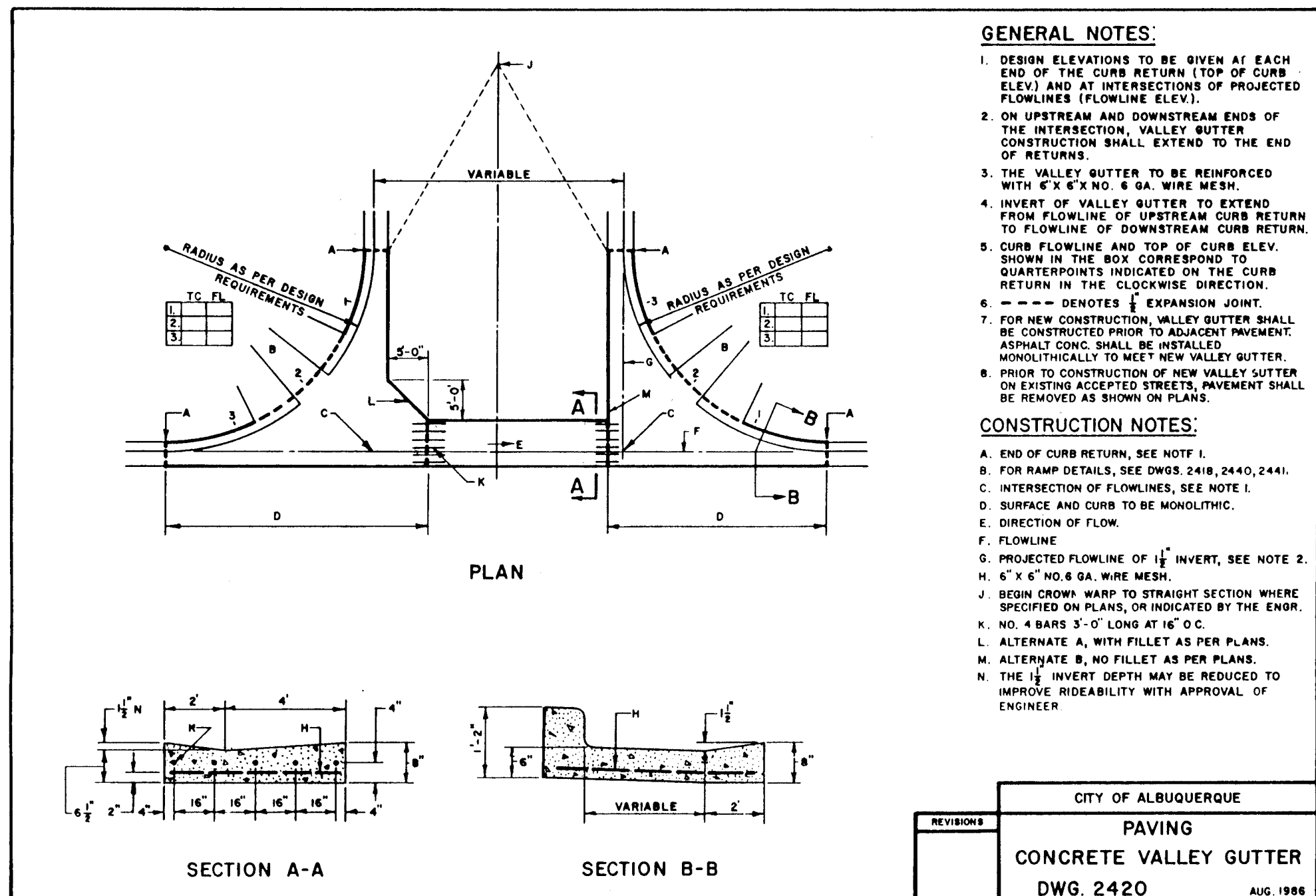
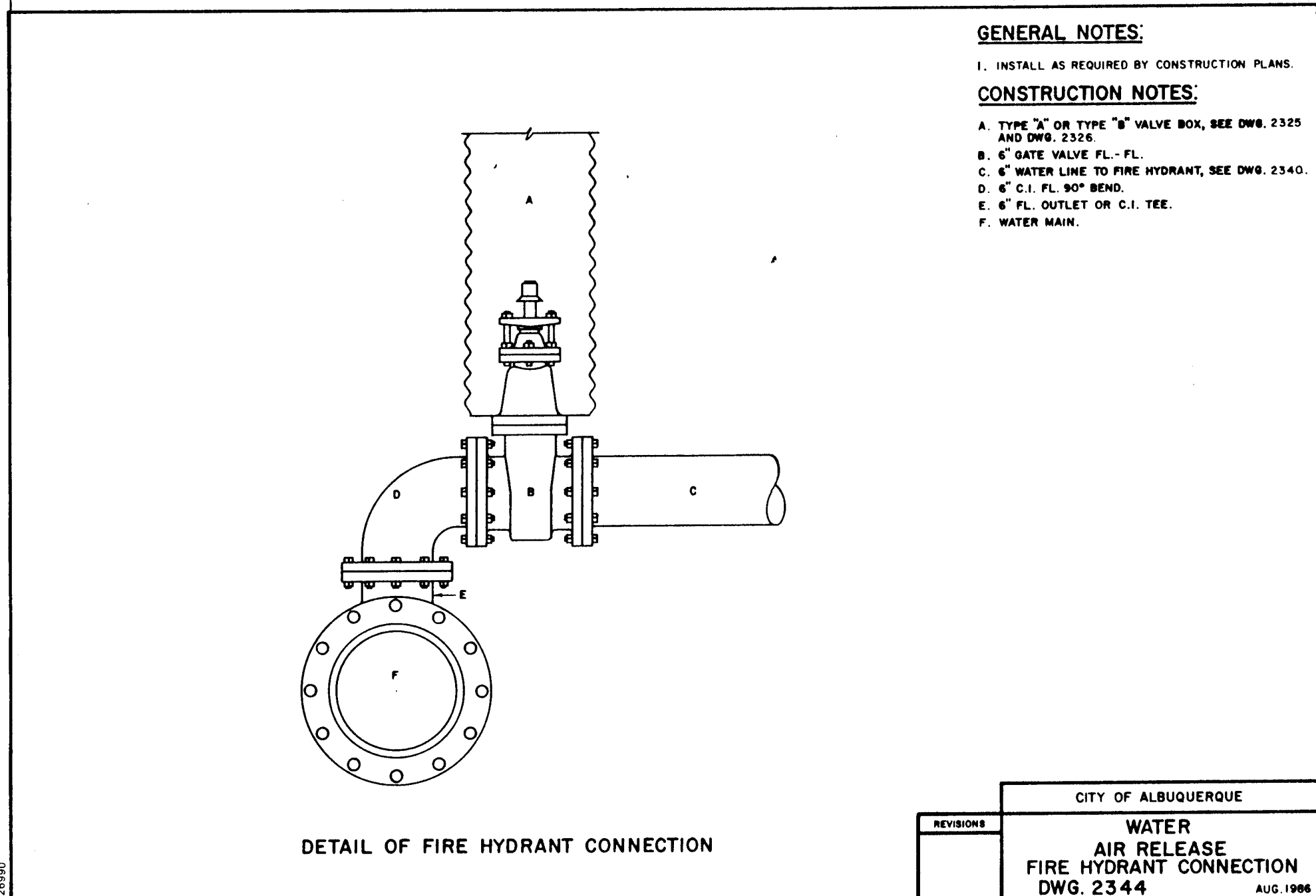
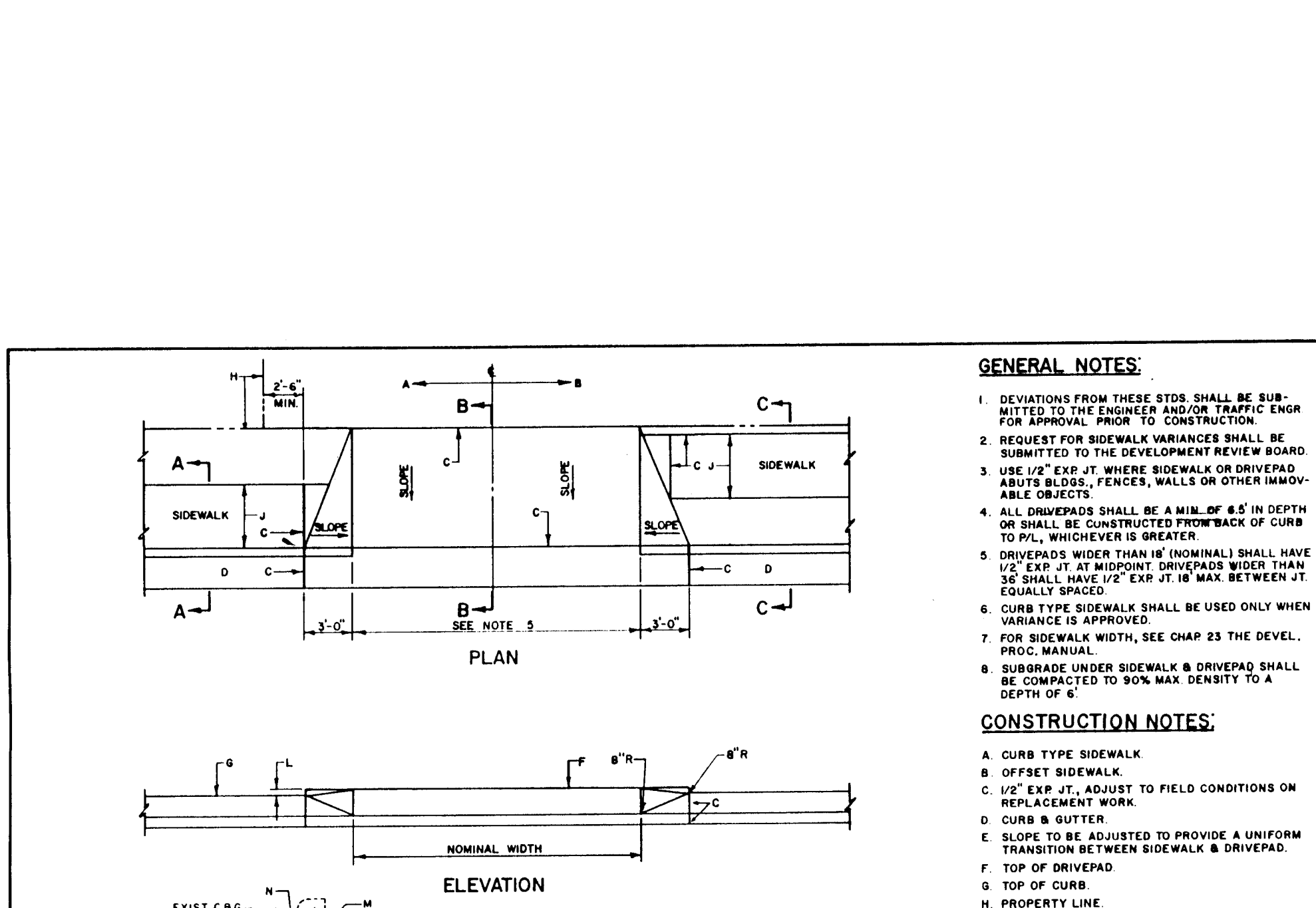
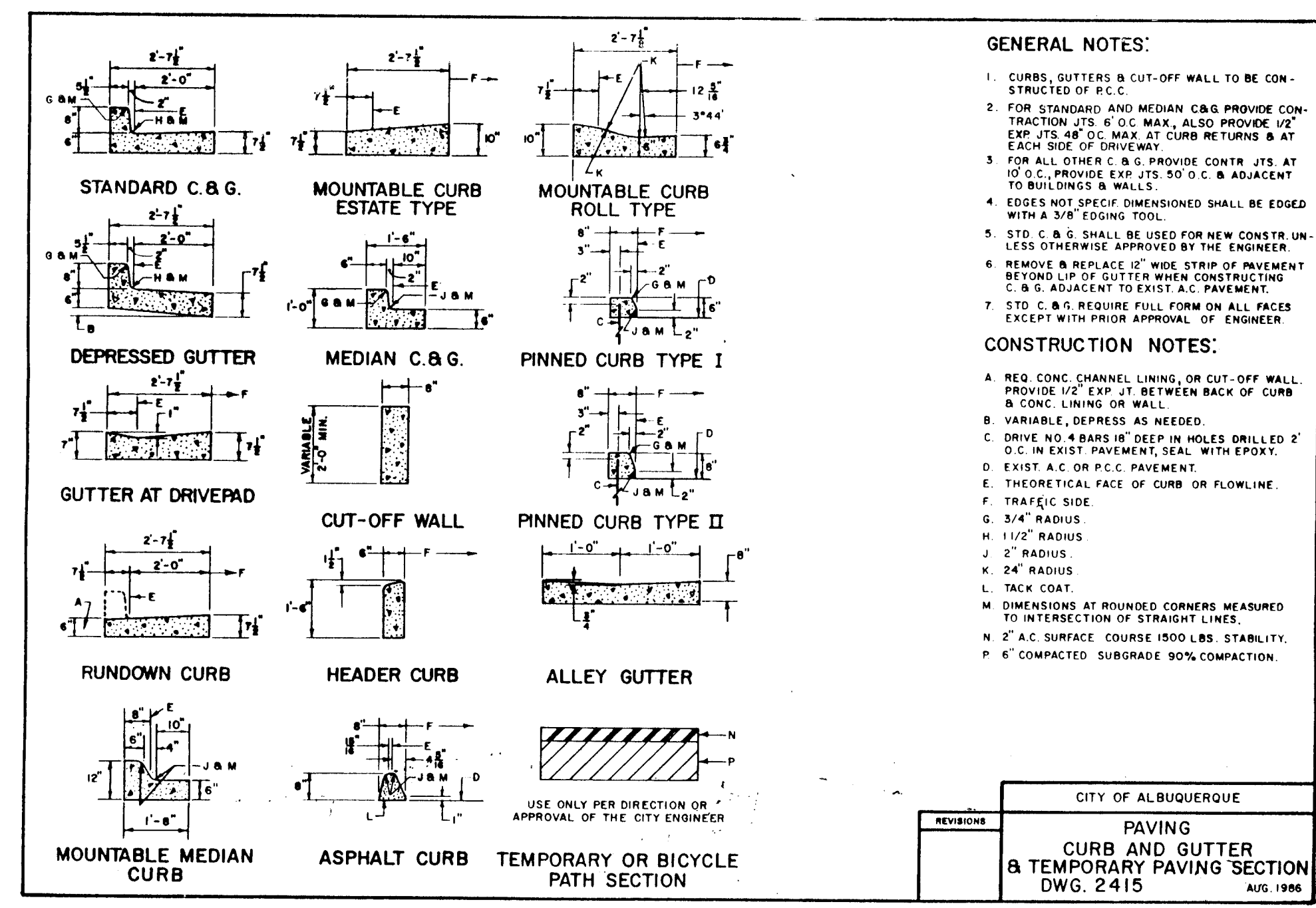
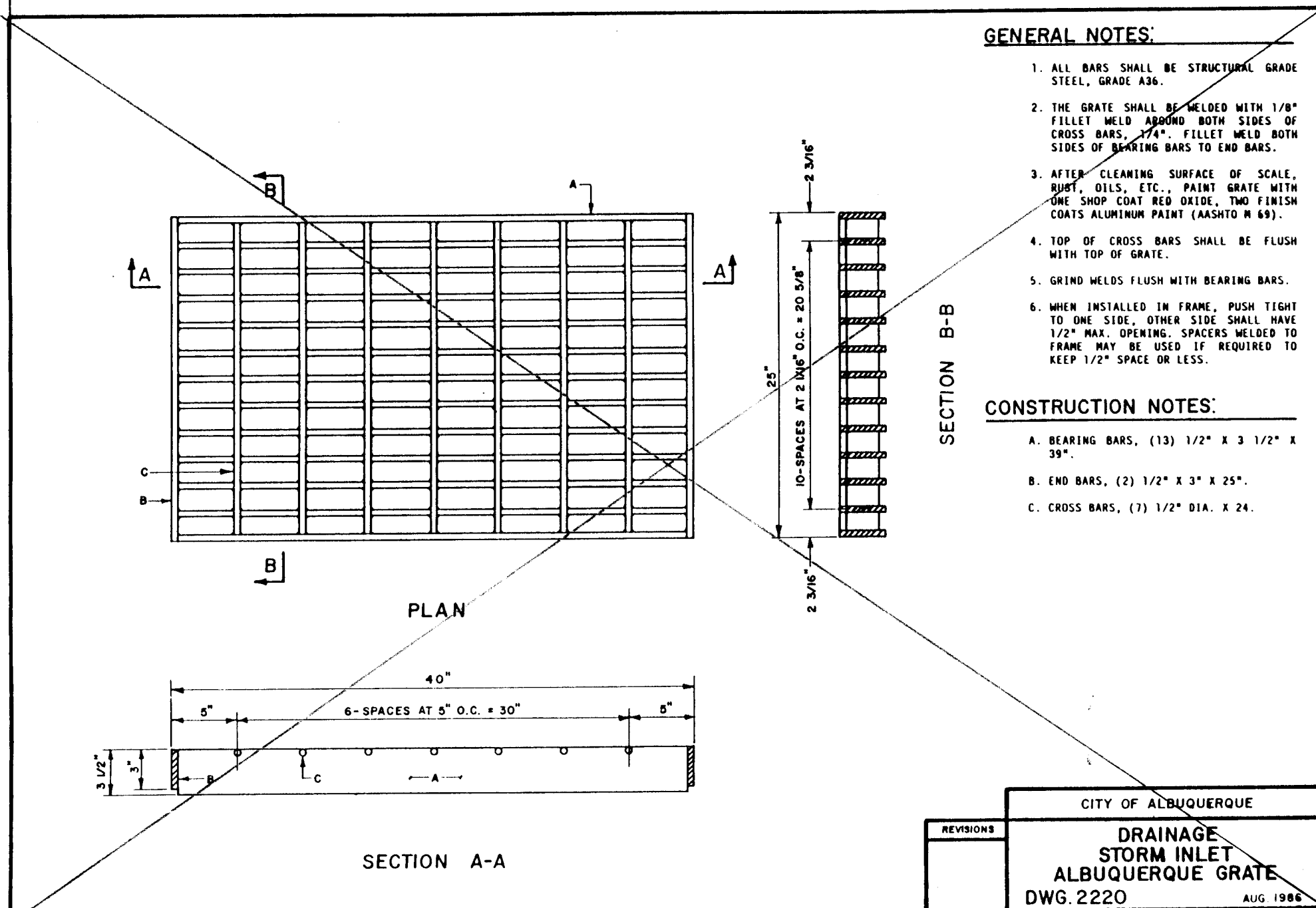
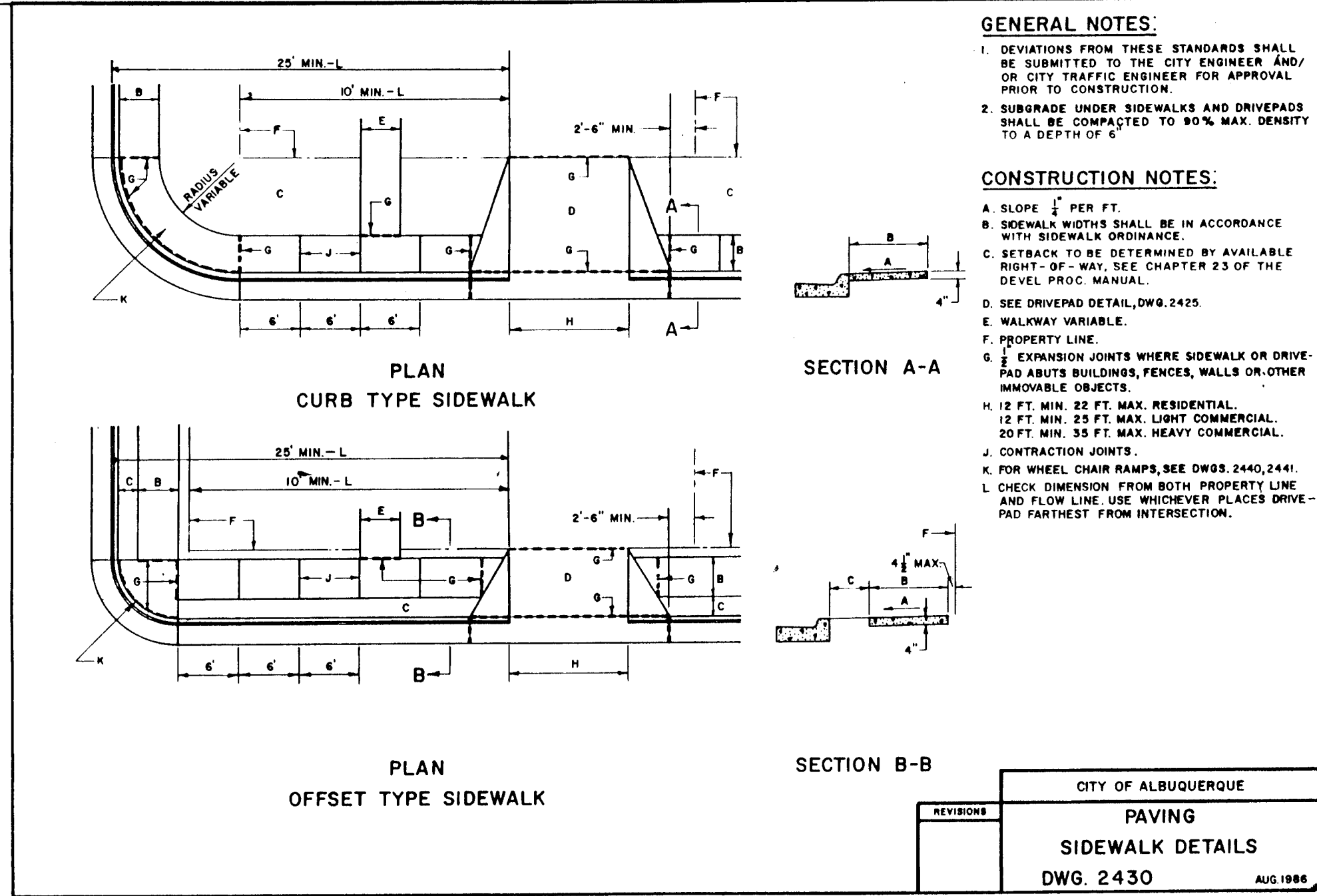
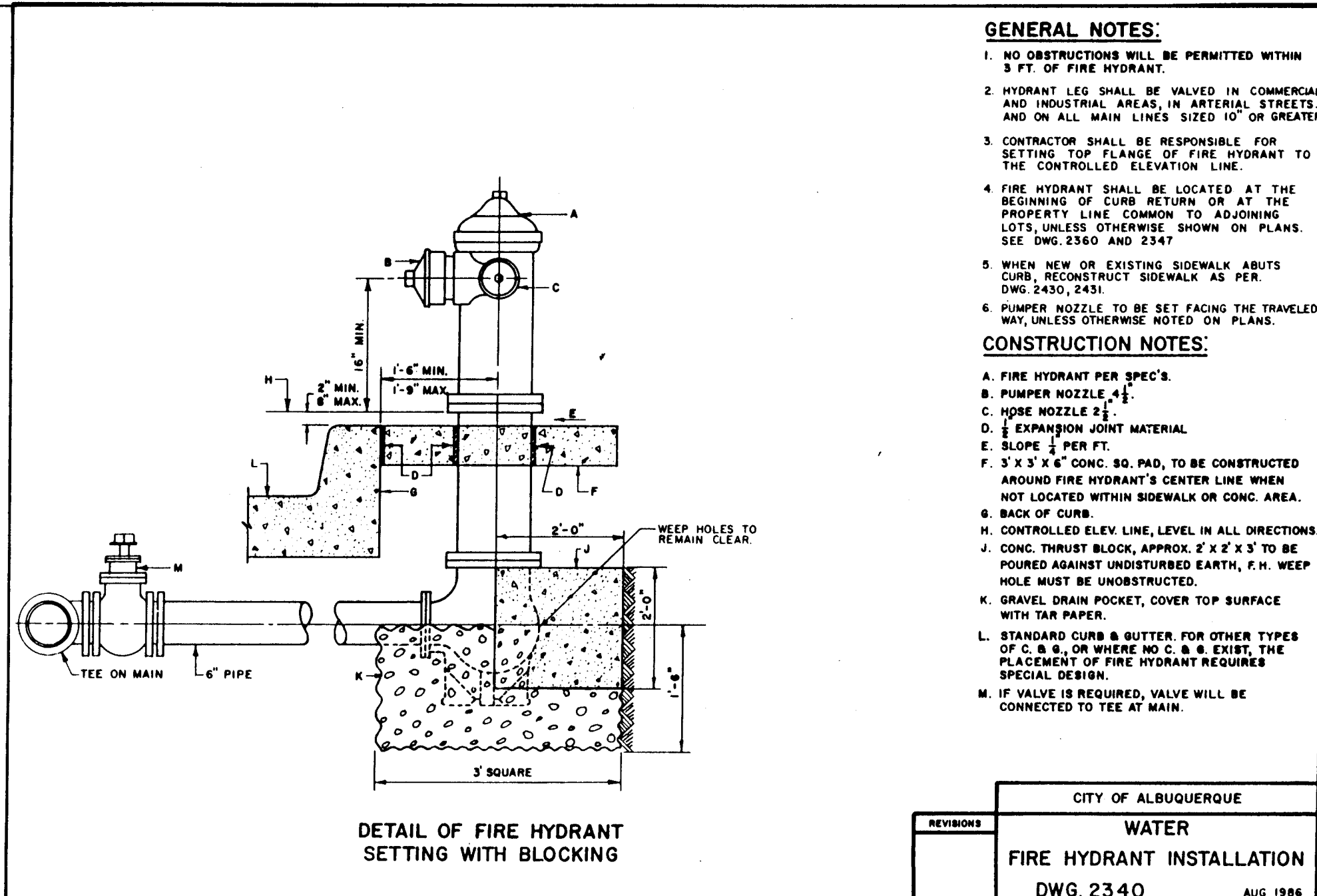
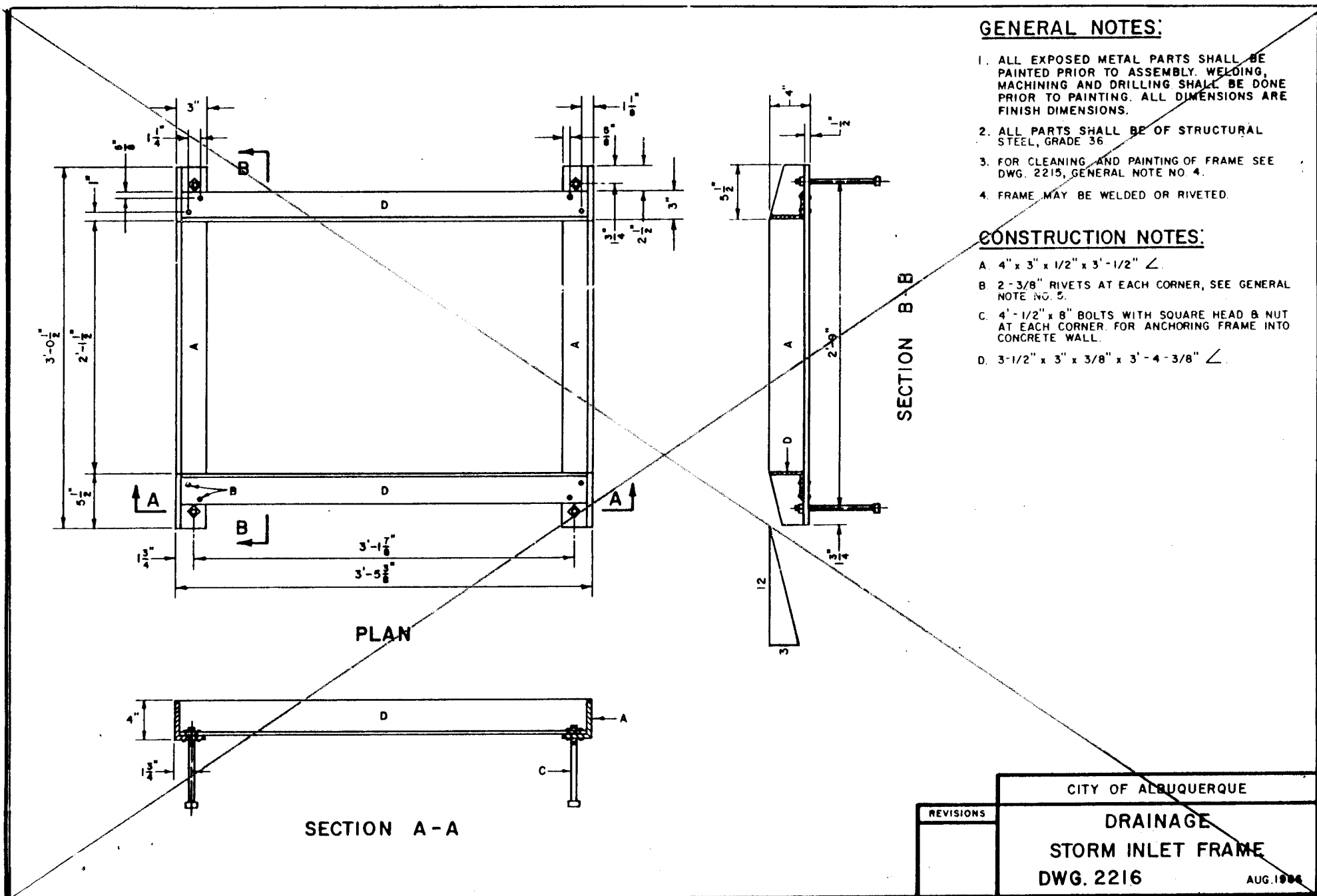
ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	10/12/89			
Trans. Dev.	9-20-89			
Utility Dev.	10-18-89			

DRAWING NO. M-4078(1) & COA-3571

MAP NO.

SHEET 7-11 OF

"AS-BUILTS"



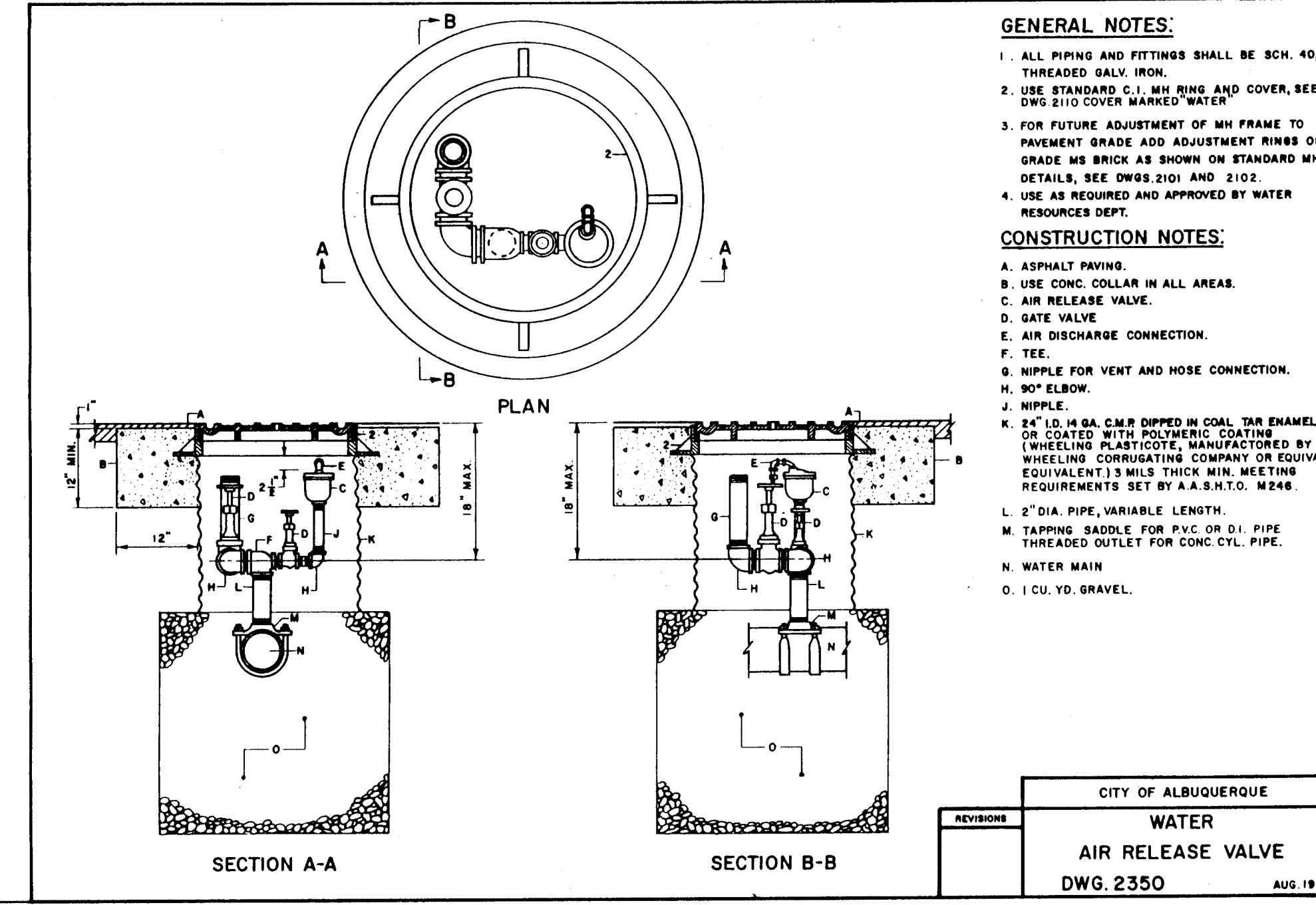
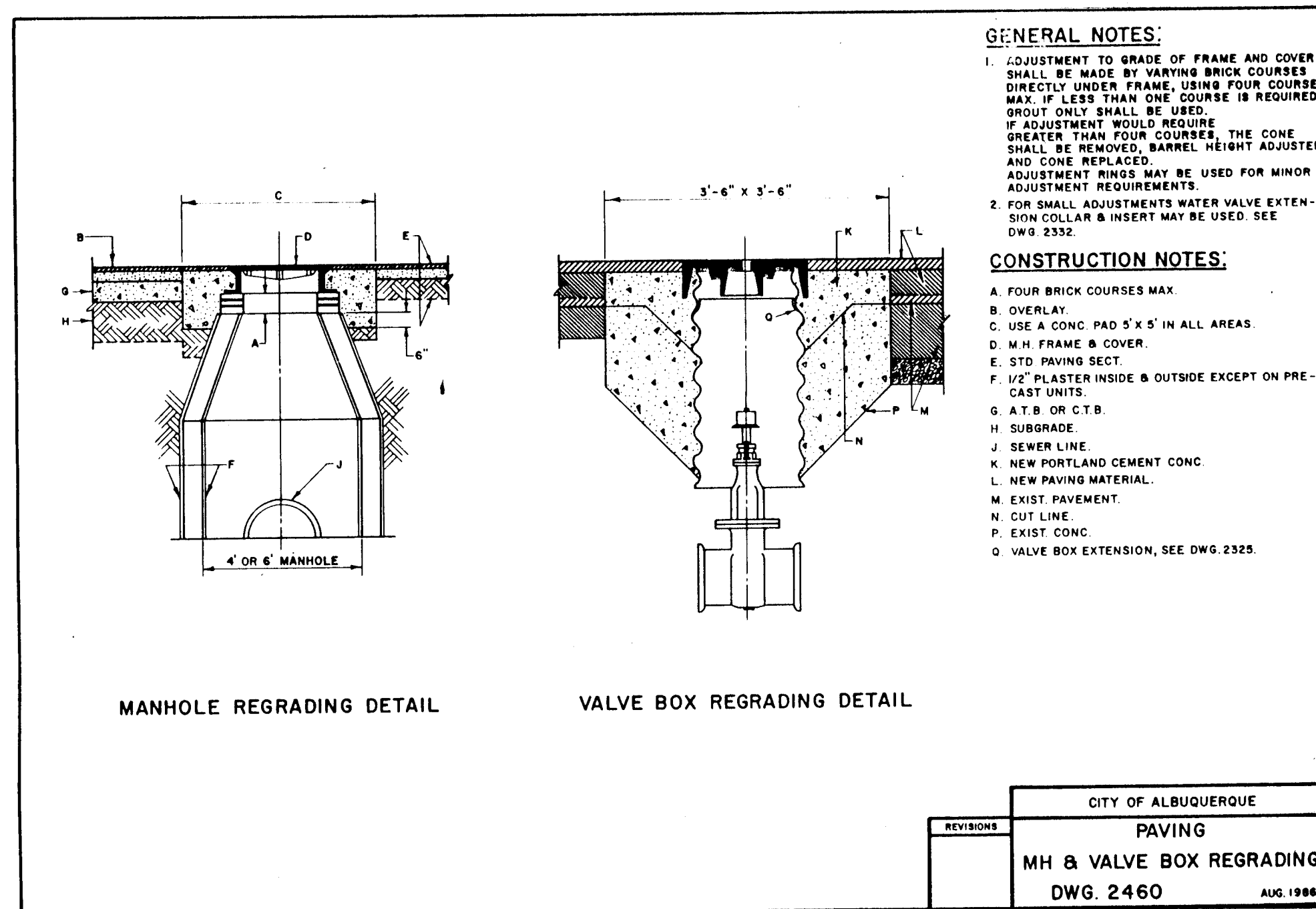
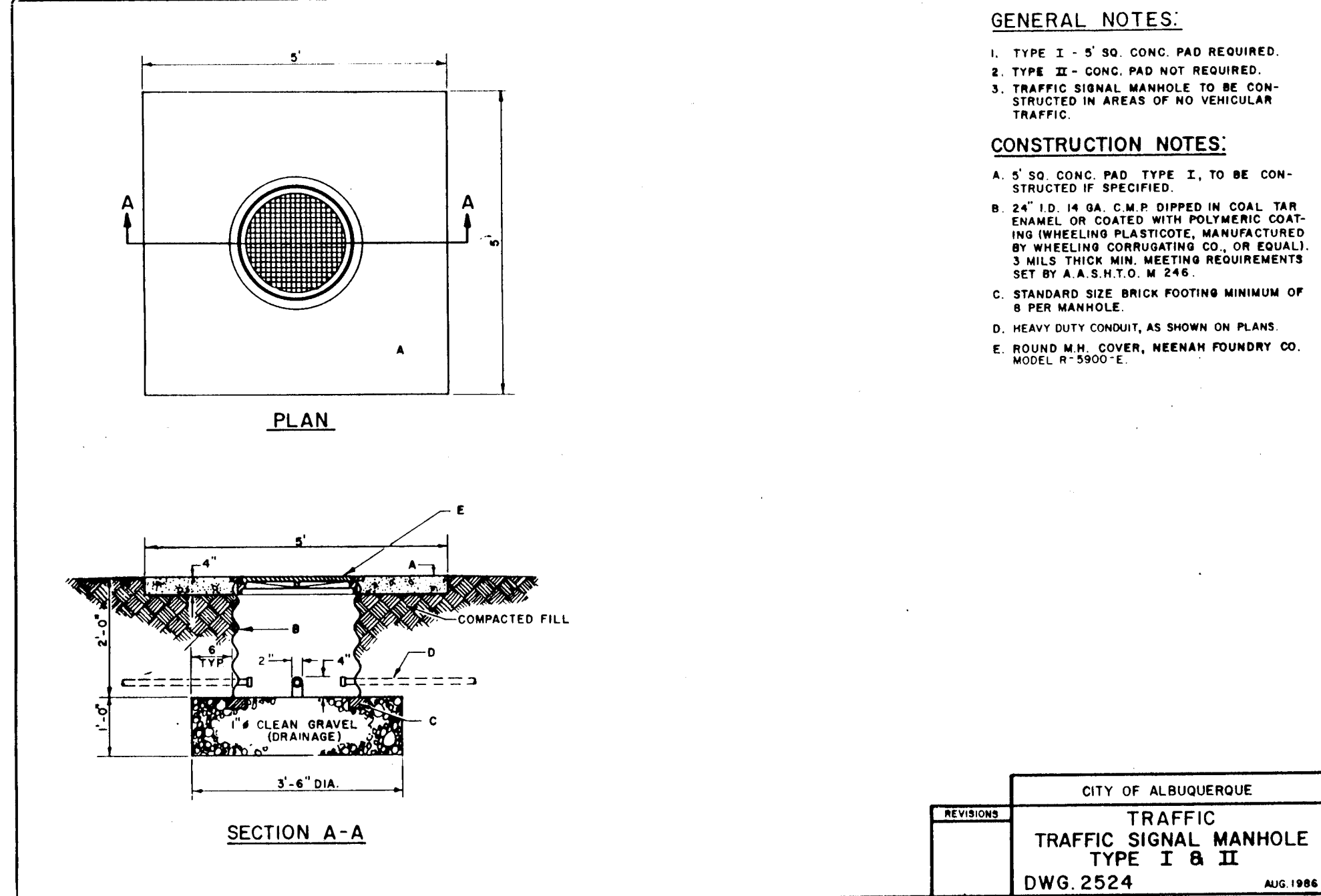
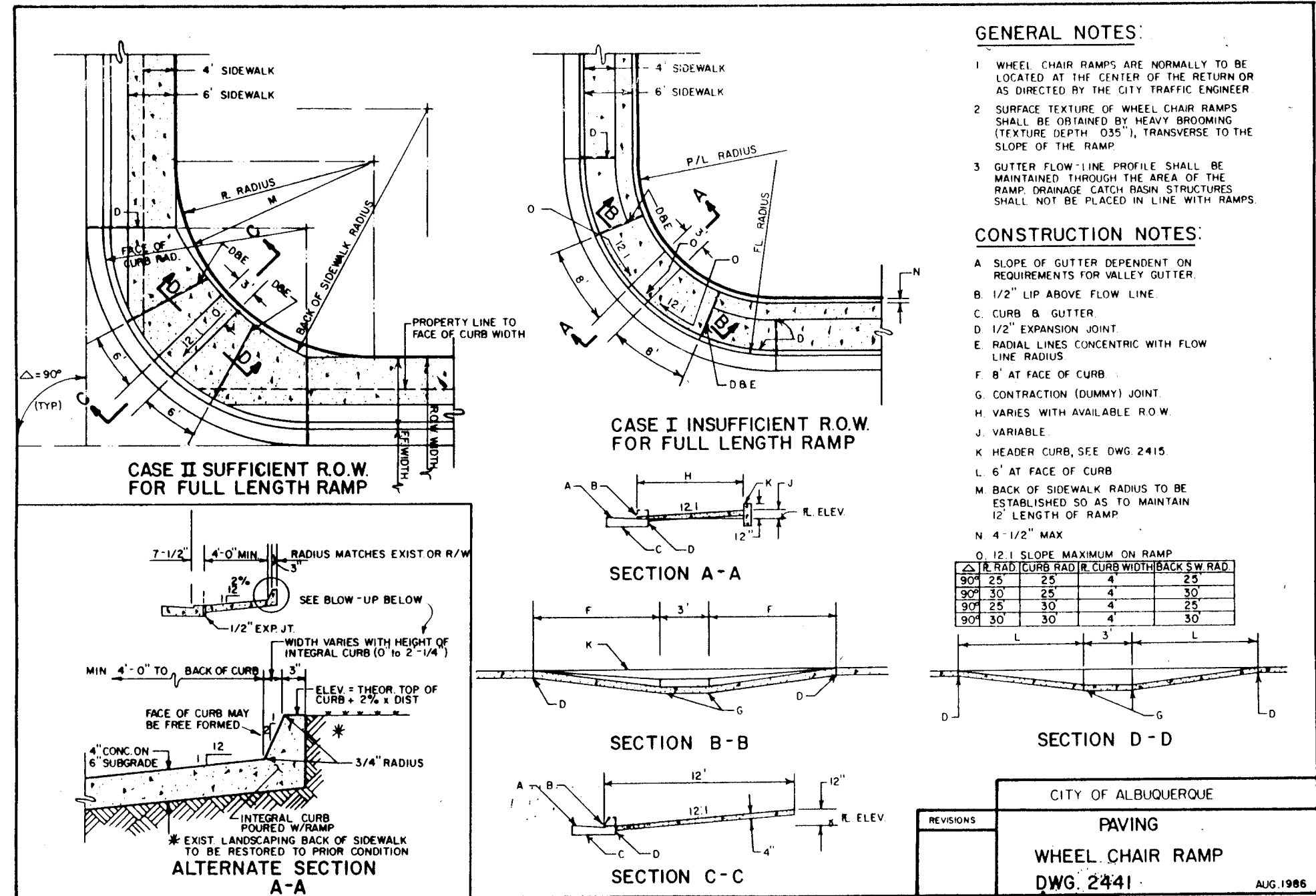
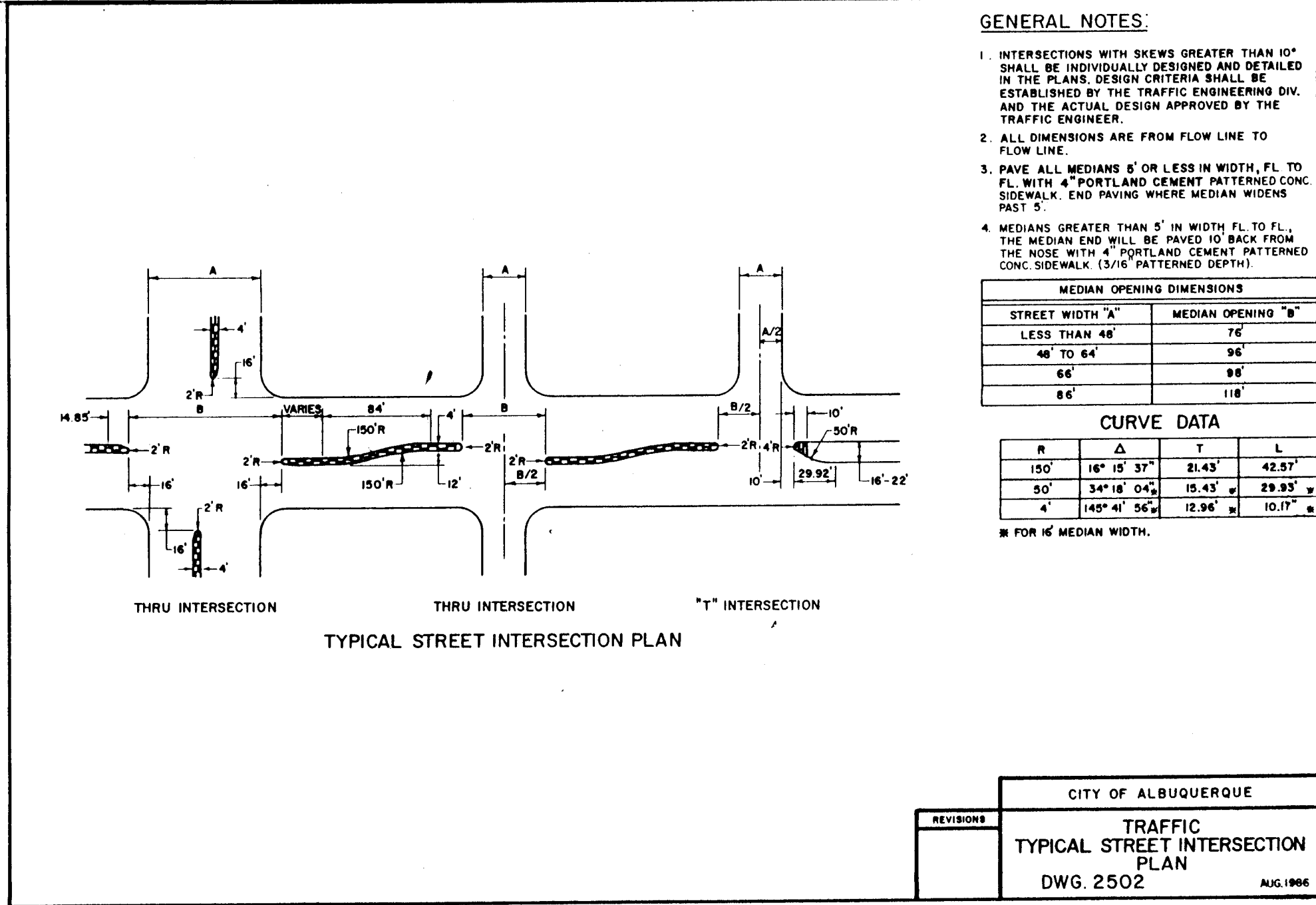
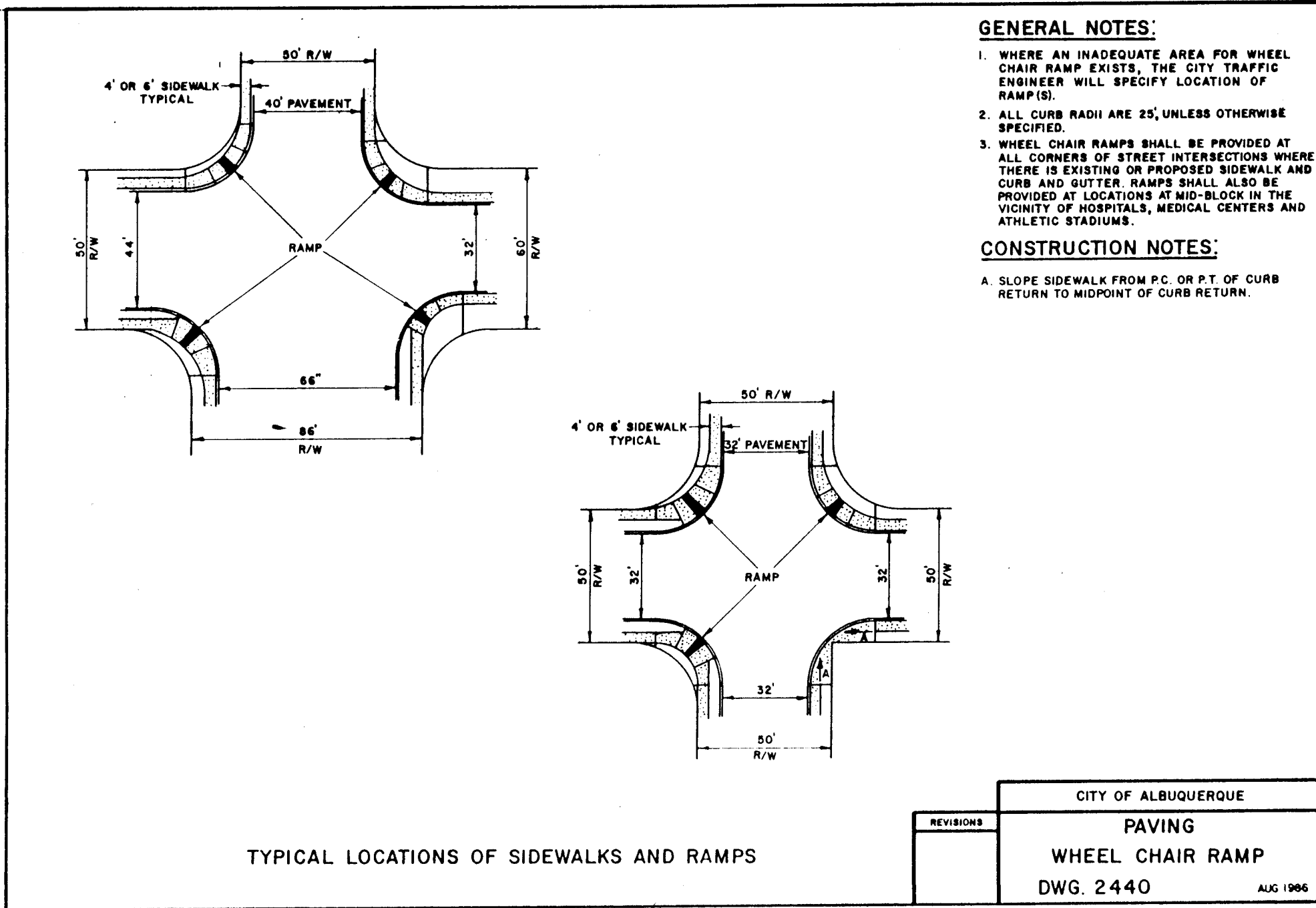
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	David R. Rios	12/8/89			
Trans. Dev	N.R. Rios	9-20-89			
Utility Dev	R.W. Kane	10-18-89			

DRAWING NO. M-4078(1) MAP NO. SHEET 7-12 OF

"AS-BUILTS"



"AS-BUILTS"

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Rogers	10/18/89			
Trans. Dev	R.W. Kane	9-20-89			
Utility Dev	R.W. Kane	10-18-89			

DRAWING NO.	M-4078(1) E COA-3671	MAP NO.	SHEET 7-13 OF
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